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U.S. SCHOOLS OF PUBLIC HEALTH
DATA REPORT ON APPLICANTS, STUDENTS, GRADUATES
AND EXPENDITURES 1984-85
WITH TRENDS ANALYSIS FOR 1974-75 THROUGH 1984-85

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PREFACE

Schools of public health have been educating professionals in the techniques of health preservation and disease prevention and control since the first decades of the twentieth century. Some schools of public health had their beginnings in university schools of medicine; others were conceived from the outset as autonomous units within their parent institutions. Today there are twenty-three accredited schools of public health in the United States, at eight private and fifteen public universities.

Unlike other health professional schools which emphasize a specific clinical discipline (for example, medicine, nursing or dentistry), schools of public health educate a wide range of professionals, from biostatisticians and epidemiologists to health administrators, community health educators, and specialists in areas such as environmental and occupational health, mental health, population studies, international health and the behavioral and social sciences.

The schools have a combined enrollment of about 9,000 students and a faculty in excess of 1,600. Graduate education in each of the 23 schools is organized around nine major specialties:

- Biostatistics
- Epidemiology
- Health Services Administration
- Public Health Practice and Program Management
- Health Education
- Environmental Sciences
- Occupational Safety and Health
- Nutrition
- Biomedical and Laboratory Sciences

Graduates of the schools of public health work primarily in the fields of health promotion and disease prevention. They represent the basic resource pool from which federal, state and local health and environmental agencies draw their manpower needs. Graduates also work and teach in university settings. Industry relies heavily on the schools to train employees involved in industrial hygiene, occupational safety and health, environmental toxicology, and other areas.

The Association of Schools of Public Health (ASPH) operates a Data Center that collects and compiles aggregate data on applicants, students, graduates, faculty and expenditures in each school of public health. The data collected serves the schools and various federal, state and local agencies and private institutions in planning and implementing their respective public health training, research and service activities.

NOTES ON DATA

1. Data collection -- ASPH has collected data on students, graduates, applicants, and expenditures since the 1974-75 academic year. From 1974-75 through 1980-81, data on students was collected from individual questionnaires, while the remainder of the data was collected in aggregate form from the schools. Since the 1981-82 academic year, all data has been collected in aggregate form. Data forms covering the previous academic year are distributed to the schools in October of each year. In addition, there is a limited amount of data from the 1960s that was collected by Dr. James Troupin for the American Public Health Association (APHA). The Troupin data is used in the trends analysis where applicable.

2. Time period -- Data on students and applicants is for the Fall semester. Data on graduates covers the entire academic year, and data on expenditures covers the entire fiscal year.

3. Degrees -- The following degree categories are used:

MPH - Master of Public Health

MS - Master of Science

MSPH - Master of Science in Public Health

MHA/MHSA - Master's degrees in health services administration including Master of Health Administration (MHA), Master of Health Services Administration (MHSA), and Master of Hospital Administration (MHA).

OTHER.MAST - All other master's degrees including Master of Arts (MA), Master of Occupational Health (MOH), Master of Health Science (MHS), Master of Science in Environmental Engineering (MSEE), Master of Science Hygiene (MSHyg), Master of Public Health Education (MPHE), Master of Arts in Teaching (MAT).

DrPH - Doctor of Public Health

ScD - Doctor of Science

PhD - Doctor of Philosophy

OTHER.DOC - All other doctorates including Doctor of Health Science (DHSc), Doctor of Education (EdD) and Doctor of the Environment (DEnv).

JOINT.DEG - All joint degrees, which combine a school of public health degree with an outside degree, such as the following:

MD - Doctor of Medicine

DDS/DMD - Doctor of Dental Surgery

DVM - Doctor of Veterinary Medicine

OD - Doctor of Optometry

MN/MSN - Master of Nursing
 MA - Master of Arts
 MBA - Master of Business Administration
 MPPM - Master of Public and Private Management
 MS - Master of Science
 MSW - Master of Science in Social Work
 MSUP - Master of Science in Urban Planning
 MPA - Master of Public Administration
 MIA - Master of International Affairs
 JD - Doctor of Laws
 PhD - Doctor of Philosophy

NONDEGREE - All students not enrolled in a formal degree program. Includes special students, postdoctoral fellows and persons enrolled in certificate or credential programs.

UNKNOWN - Degree program is unknown.

BACHELOR - Data on undergraduates was collected from 1974-75 through 1980-81. Undergraduates are included in data for those years.

4. Areas of Specialization -- The following categories are used:

BIOSTAT - Biostatistics, biometry.

EPID - Epidemiology. Where epidemiology and biostatistics programs are combined, data is recorded under epidemiology.

HSA - Health services administration, hospital administration, health policy, health planning, health management, health services organization, health law, evaluation research.

PHP&PM - Public health practice and program management, maternal and child health, gerontology, dental public health, optometric public health, public health nursing, public health social work, veterinary public health, mental health, community health sciences, community health practice.

H.EDUC/BS - Health education, public health education, health education administration, behavioral sciences, socio-medical sciences, health promotion, health behavior.

ENV.SC - Environmental science, environmental health, toxicology, radiological health, environmental chemistry, water quality, environmental health planning. Where environmental health and occupational safety and health programs are combined, data is recorded under environmental health.

OS&H - Occupational safety and health, industrial hygiene, occupational medicine, aerospace medicine.
 NUTR - Nutrition, public health nutrition.
 BIOMED - Biomedical and laboratory sciences, microbiology, parasitology, immunology, cancer biology, biochemistry, biophysics, pathobiology.
 OTHER - All other areas of specialization including international health, population/family planning, tropical public health, urban health, disease control, genetics. Until 1982 behavioral sciences was classified under OTHER.
 NONSPEC - Nonspecialized, general public health studies.
 NONDEGREE - All nondegree students and applicants are classified together regardless of area of study.
 UNKNOWN - Area of specialization is undecided or unknown.

The classification system for areas of specialization was developed by ASPH in 1978 and has been used since the 1979-80 academic year. It was developed to consolidate the over 200 programs in the schools into a manageable number for data collection and analysis. Although the system works reasonably well, categorization is not always precise and there is often some overlap. For example, two schools have program areas in Population and Family Health, which includes both population (OTHER) and maternal and child health (PHP&PM). There are many such cases, and the areas of specialization should be viewed as general, rather than precise, categories.

A number of schools allow dual specializations. Applicants, students and graduates with dual specializations are recorded as .5 in each area.

5. Status -- The following categories are used for students:

F-T	- An on-campus student registered for nine or more credit hours per quarter or semester.
P-T	- An on-campus student registered for less than nine credit hours per quarter or semester.
OTHER	- A student enrolled in a nontraditional program. Includes both extended degree or other nontraditional programs located at the main campus of the school of public health and also those programs offered at sites other than the main campus of the school of public health.
UNKNOWN	- Status is unknown.

I. APPLICANTS

A. Fall 1984 Applicants

Any discussion of data on applicants must be preceded by the warning that ASPH collects data on applications rather than individuals. ASPH does not have a centralized application process, and there is currently no means of determining the average number of applications submitted per applicant. Nor is there a means of determining whether there have been differences in this average over time or among population groups. Therefore, applicant data should be viewed with caution.

There were 10,119 applications for Fall 1984, a slight increase (1.4%) over the previous year. About 60% of the applicants were female, over 19% were foreign and over 24% of the U.S. applicants were members of minority groups. Over half of the applicants were concentrated in three areas--health services administration (30%), epidemiology (14%) and environmental sciences (12%).

Of the total applications, 63.5% were accepted, compared to 62.6% in Fall 1983. Acceptance rates were similar for males and females, lower for foreign applicants (54%) than for U.S. applicants (64%), and lower for members of minority groups (46-60%) than for whites (68%).

U.S. SCHOOLS OF PUBLIC HEALTH
SUMMARY CHARACTERISTICS OF APPLICANTS
Fall 1984

SEX & CITIZENSHIP

MALES	3828	40.2%	U.S.	7586	80.7%
FEMALES	5698	59.8	FOREIGN	1810	19.3
UNKNOWN	593	-	UNKNOWN	723	-
TOTAL	10119	100.0%	TOTAL	10119	100.0%
U.S. MALES	2726	36.0%	FOR. MALES	1057	60.2%
U.S. FEMALES	4838	64.0	FOR. FEMALES	698	39.8
UNKNOWN	22	-	UNKNOWN	55	-
TOTAL	7586	100.0%	TOTAL	1810	100.0%

<u>RACE (U.S.)</u>	<u>MALES</u>	<u>FEMALES</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	
ASIAN	223	277	3	503	7.5%
BLACK	198	388	9	595	8.8
HISPANIC	162	332	0	494	7.3
AMERIND	27	29	0	56	0.8
(TOTAL MIN.)	(610)	(1026)	(12)	(1648)	(24.4)
WHITE	1840	3243	10	5093	75.6
UNKNOWN	276	569	0	845	-
TOTAL	2726	4838	22	7586	100.0%

AREA OF SPECIALIZATION

BIOSTAT	432	4.6%
EPID	1296	13.7
HSA	2816	29.7
PHP&PM	800	8.4
H. EDUC/BS	927.5	9.8
ENV. SC	1175.5	12.4
OS&H	124	1.3
NUTR	406	4.3
BIOMED	331	3.5
OTHER	859	9.1
NONSPEC	306	3.2
NONDEGREE	350	-
UNKNOWN	296	-
TOTAL	10119	100.0%

TABLE 1-1
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS BY SCHOOL, SEX & CITIZENSHIP
FALL 1984

SCHOOL	MALE	FEMALE	UNKNOWN	TOTAL
ALA	40.0	41.0	.0	81.0
BOSTON	80.0	235.0	.0	315.0
CAL-BERK	224.0	445.0	.0	669.0
CAL-UCLA	264.0	486.0	.0	750.0
COLUMBIA	192.0	433.0	.0	625.0
HARVARD	347.0	387.0	.0	734.0
HAWAII	62.0	134.0	.0	196.0
ILL	96.0	165.0	.0	261.0
JHU	552.0	571.0	.0	1123.0
L.LINDA	92.0	85.0	.0	177.0
MASS	.0	.0	170.0	170.0
MICH	311.0	457.0	.0	768.0
MINN	156.0	277.0	.0	433.0
N.CAR	474.0	685.0	.0	1159.0
OKLA	76.0	71.0	.0	147.0
PITT	233.0	297.0	.0	530.0
PR	84.0	217.0	.0	301.0
S.CAR	104.0	127.0	.0	231.0
S.DIEGO	75.0	112.0	.0	187.0
TEXAS	136.0	147.0	77.0	360.0
TULANE	.0	1.0	346.0	347.0
WASH	139.0	148.0	.0	287.0
YALE	91.0	177.0	.0	268.0
Total	3828.0	5698.0	593.0	10119.0

SCHOOL	U.S.	FOREIGN	UNKNOWN	TOTAL
ALA	69.0	12.0	.0	81.0
BOSTON	208.0	35.0	72.0	315.0
CAL-BERK	574.0	95.0	.0	669.0
CAL-UCLA	578.0	172.0	.0	750.0
COLUMBIA	537.0	88.0	.0	625.0
HARVARD	540.0	194.0	.0	734.0
HAWAII	148.0	48.0	.0	196.0
ILL	105.0	22.0	134.0	261.0
JHU	772.0	351.0	.0	1123.0
L.LINDA	112.0	65.0	.0	177.0
MASS	.0	.0	170.0	170.0
MICH	652.0	115.0	1.0	768.0
MINN	381.0	52.0	.0	433.0
N.CAR	985.0	174.0	.0	1159.0
OKLA	134.0	13.0	.0	147.0
PITT	432.0	98.0	.0	530.0
PR	278.0	23.0	.0	301.0
S.CAR	196.0	35.0	.0	231.0
S.DIEGO	180.0	7.0	.0	187.0
TEXAS	252.0	108.0	.0	360.0
TULANE	1.0	.0	346.0	347.0
WASH	233.0	54.0	.0	287.0
YALE	219.0	49.0	.0	268.0
Total	7586.0	1810.0	723.0	10119.0

TABLE 1-2
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. APPLICANTS BY SCHOOL & RACE
FALL 1984

SCHOOL	ASIAN	BLACK	HISPANIC	AMERIND	TOTALMIN.
ALA	2.0	8.0	1.0	.0	11.0
BOSTON	3.0	6.0	6.0	.0	15.0
CAL-BERK	57.0	41.0	31.0	14.0	143.0
CAL-UCLA	60.0	59.0	40.0	1.0	160.0
COLUMBIA	.0	.0	.0	.0	.0
HARVARD	45.0	46.0	26.0	4.0	121.0
HAWAII	35.0	4.0	1.0	2.0	42.0
ILL	22.0	13.0	4.0	.0	39.0
JHU	59.0	78.0	26.0	6.0	169.0
L.LINDA	6.0	13.0	3.0	.0	22.0
MASS	.0	.0	.0	.0	.0
MICH	20.0	50.0	8.0	3.0	81.0
MINN	9.0	2.0	.0	2.0	13.0
N.CAR	111.0	97.0	26.0	9.0	243.0
OKLA	7.0	24.0	2.0	13.0	46.0
PITT	17.0	41.0	3.0	.0	61.0
PR	.0	.0	278.0	.0	278.0
S.CAR	4.0	22.0	7.0	.0	33.0
S.DIEGO	14.0	6.0	8.0	.0	28.0
TEXAS	14.0	43.0	12.0	1.0	70.0
TULANE	.0	.0	.0	.0	.0
WASH	9.0	8.0	5.0	1.0	23.0
YALE	9.0	34.0	7.0	.0	50.0
Total	503.0	595.0	494.0	56.0	1648.0

SCHOOL	WHITE	UNKNOWN	TOTAL
ALA	58.0	.0	69.0
BOSTON	192.0	1.0	208.0
CAL-BERK	431.0	.0	574.0
CAL-UCLA	289.0	129.0	578.0
COLUMBIA	.0	537.0	537.0
HARVARD	363.0	56.0	540.0
HAWAII	99.0	7.0	148.0
ILL	66.0	.0	105.0
JHU	603.0	.0	772.0
L.LINDA	88.0	2.0	112.0
MASS	.0	.0	.0
MICH	517.0	54.0	652.0
MINN	334.0	34.0	381.0
N.CAR	742.0	.0	985.0
OKLA	88.0	.0	134.0
PITT	371.0	.0	432.0
PR	.0	.0	278.0
S.CAR	162.0	1.0	196.0
S.DIEGO	128.0	24.0	180.0
TEXAS	182.0	.0	252.0
TULANE	1.0	.0	1.0
WASH	210.0	.0	233.0
YALE	169.0	.0	219.0
Total	5093.0	845.0	7586.0

TABLE 1-3
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS BY AREA, SEX & CITIZENSHIP
FALL 1984

<u>AREA</u>	<u>MALE</u>	<u>FEMALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
BIOSTAT	204.5	215.5	12.0	432.0
EPID	584.0	681.0	31.0	1296.0
HSA	1094.0	1638.0	84.0	2816.0
PHP&PM	232.0	540.0	28.0	800.0
H.EDUC/BS	210.5	705.0	12.0	927.5
ENV.SC	686.5	450.0	39.0	1175.5
OS&H	77.5	40.5	6.0	124.0
NUTR	55.5	336.5	14.0	406.0
BIOMED	173.0	141.0	17.0	331.0
OTHER	246.5	478.5	134.0	859.0
NONSPEC	142.0	164.0	.0	306.0
NONDEGREE	87.0	243.0	20.0	350.0
UNKNOWN	35.0	65.0	196.0	296.0
Total	3828.0	5698.0	593.0	10119.0

<u>AREA</u>	<u>U.S.</u>	<u>FOREIGN</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
BIOSTAT	287.5	133.5	11.0	432.0
EPID	979.0	290.0	27.0	1296.0
HSA	2414.0	332.0	70.0	2816.0
PHP&PM	600.0	184.0	16.0	800.0
H.EDUC/BS	813.5	103.0	11.0	927.5
ENV.SC	900.5	244.0	31.0	1175.5
OS&H	98.0	26.0	.0	124.0
NUTR	330.5	61.5	14.0	406.0
BIOMED	236.0	78.0	17.0	331.0
OTHER	503.0	251.0	105.0	859.0
NONSPEC	223.0	83.0	.0	306.0
NONDEGREE	116.0	9.0	225.0	350.0
UNKNOWN	85.0	15.0	196.0	296.0
Total	7586.0	1810.0	723.0	10119.0

<u>AREA</u>	<u>U.S. MALES</u>	<u>U.S. FEMALES</u>	<u>FOR. MALES</u>	<u>FOR. FEMALES</u>
BIOSTAT	140.0	147.5	64.5	68.0
EPID	384.5	589.5	198.5	91.5
HSA	887.5	1521.5	206.5	116.5
PHP&PM	132.0	463.0	100.0	77.0
H.EDUC/BS	156.5	656.0	54.0	49.0
ENV.SC	512.5	386.0	174.0	64.0
OS&H	63.5	34.5	14.0	6.0
NUTR	45.5	285.0	10.0	51.5
BIOMED	124.0	112.0	49.0	29.0
OTHER	124.0	376.0	122.5	102.5
NONSPEC	91.0	132.0	51.0	32.0
NONDEGREE	39.0	76.0	4.0	5.0
UNKNOWN	26.0	59.0	9.0	6.0
Total	2726.0	4838.0	1057.0	698.0

TABLE 1-4
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. APPLICANTS BY AREA & RACE
FALL 1984

<u>AREA</u>	<u>ASIAN</u>	<u>BLACK</u>	<u>HISPANIC</u>	<u>AMERIND</u>
BIOSTAT	26.0	17.0	16.0	1.0
EPID	104.0	83.5	48.0	2.0
HSA	117.0	206.0	98.0	30.0
PHP&PM	42.0	83.5	35.0	3.0
H.EDUC/BS	36.5	69.0	86.5	7.0
ENV.SC	67.5	37.5	60.0	4.0
OS&H	5.0	10.0	2.0	.0
NUTR	27.0	17.0	36.0	4.0
BIOMED	34.0	22.0	10.0	3.0
OTHER	26.0	31.5	37.5	1.0
NONSPEC	10.0	10.0	22.0	1.0
NONDEGREE	8.0	4.0	23.0	.0
UNKNOWN	.0	4.0	20.0	.0
Total	503.0	595.0	494.0	56.0

<u>AREA</u>	<u>WHITE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
BIOSTAT	185.5	42.0	287.5
EPID	653.5	88.0	979.0
HSA	1652.5	310.5	2414.0
PHP&PM	420.0	16.5	600.0
H.EDUC/BS	555.5	59.0	813.5
ENV.SC	683.5	48.0	900.5
OS&H	78.0	3.0	98.0
NUTR	227.5	19.0	330.5
BIOMED	165.0	2.0	236.0
OTHER	301.0	106.0	503.0
NONSPEC	105.0	75.0	223.0
NONDEGREE	39.0	42.0	116.0
UNKNOWN	27.0	34.0	85.0
Total	5093.0	845.0	7586.0

TABLE 1-5
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS BY SCHOOL AND AREA
Fall 1984

	H. EDUC/										NON			
	BIOSTAT	EPID	HSA	PHP&PM	BS	ENV.SC	OS&H	NUTR	BIOMED	OTHER	NONSPEC	DEGREE	UNK	TOTAL
ALA	1	16	19	4	3	6	5			6	1	15	5	81
BOSTON		40.5	119		50	33.5						72		315
CA/BERK	28	86	161	78	100	77		37	45		57			669
CA/UCLA	41	131	216		112	46		75		127			2	750
COLUMBIA	17	58	212		18	39				114	89	44	34	625
HARVARD	42	78	225	49	26	90		30	21	72	101			734
HAWAII	10	19	33	24	38	13		24		24		11		196
ILL		22	31	43		31						134		261
JHU	31	197	214	99	49	189			145	199				1123
L.LINDA	2	8	28	11	72.5	19		17.5		19				177
MASS													170	170
MICH	14	100.5	384	27.5	58.5	48.5	28	35.5		36.5			35	768
MINN	25	46	115	94	53	64		36						433
N.CAR	96	112	254	153	144	225		110	65					1159
OKLA	1	19	65		17	45								147
PITT	31	98	128	86		63	27		30	46		21		530
PR	4	28	52	20	52	43		27		9	21	21	24	301
S.CAR	10	44	77		71	29								231
S.DIEGO		21	60	46	36	18	6							187
TEXAS	8	16	63	49.5	15.5	19.5	37			101.5	37	13		360
TULANE	11	26	70	16	12	31		14	17	105		19	26	347
WASH	50	52	132			24	21		8					287
YALE	10	78	158			22								268
TOTAL	432	1296	2816	800	927.5	1175.5	124	406	331	859	306	350	296	10119

TABLE 1-6
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS/ACCEPTANCES/ENROLLMENTS BY SCHOOL
Fall 1984

	APPLICATIONS			NEW ENROLLMENTS		
	No. Made	No. Accepted	% Accepted	No.	As % of Acceptances	As % of Applications
ALA	81	69	85.2%	48	69.6%	59.3%
BOSTON	315	273	86.7	182	66.7	57.8
CAL-BERK	669	364	54.4	231	63.5	34.5
CAL-UCLA	750	392	52.3	219	55.9	29.2
COLUMBIA	625	492	78.7	279	56.7	44.6
HARVARD	734	438	59.7	265	60.5	36.1
HAWAII	196	133	67.9	78	58.7	39.8
ILL	261	225	86.2	198	88.0	75.9
JHU	1123	710	63.2	330	46.5	29.4
L.LINDA	177	128	72.3	89	69.5	50.3
MASS.	170	116	68.2	46	39.7	27.1
MICH	768	439	57.2	215	49.0	28.0
MINN	433	270	62.4	204	75.6	47.1
N.CAR	1159	600	51.8	308	51.3	26.6
OKLA	147	115	78.2	61	53.0	41.5
PITT	530	306	57.7	187	61.1	35.3
PR	301	146	48.5	120	82.2	39.9
S.CAR	231	168	72.7	127	75.6	55.0
S.DIEGO	187	147	78.6	89	60.5	47.6
TEXAS	360	224	62.2	133	59.4	36.9
TULANE	347	273	78.7	180	65.9	51.9
WASH	287	174	60.6	104	59.8	36.2
YALE	268	226	84.3	119	52.7	44.4
TOTAL	10,119	6,428	63.5%	3,812	59.3%	37.7%

TABLE 1-7
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS/ACCEPTANCES/ENROLLMENTS BY SEX, CITIZENSHIP, RACE & AREA
Fall 1984

	No. of Schools	APPLICATIONS			NEW ENROLLMENTS		
		No. Made	No. Accepted	% Accepted	No.	As % of Acceptances	As % of Applications
MALES	21	3828	2338	61.1%	1334	57.1%	34.9%
FEMALES		5697	3681	64.6	2252	61.2	39.5
U.S. CITIZENS	21	7585	4845	63.9	2905	60.0	38.3
FOREIGN		1810	985	54.4	475	48.2	26.2
<u>RACE (U.S.)</u>	19						
ASIAN		443	242	54.6	124	51.2	28.0
BLACK		536	246	45.9	146	59.3	27.2
HISPANIC		454	222	48.9	159	71.6	35.0
(excluding PR) (18)		(176)	(94)	(53.4)	(53)	(56.4)	(30.1)
AMERIND		55	33	60.0	19	57.6	34.6
TOTAL MINORITY		1488	743	49.9	448	60.3	30.1
WHITE		4803	3245	67.6	1983	61.1	41.3
<u>AREA</u>	22						
BIOSTAT		432	279.5	64.7	137.5	49.2	31.8
EPID		1296	827	63.8	445	53.8	34.3
HSA		2816	1722	61.2	998.5	58.0	35.5
PHP&PM		800	479	59.9	308.5	64.4	38.6
H. EDUC/BS		927.5	540.5	58.3	326.5	60.4	35.2
ENV. SC		1175.5	725	61.7	422	58.2	35.9
OS&H		124	92	74.2	48	52.2	38.7
NUTR		406	242	59.6	144.5	59.7	35.6
BIOMED		331	182	55.0	110	60.4	33.2
OTHER		859	564	65.7	302.5	53.6	35.2
NONSPEC		306	242	79.1	158	65.3	51.6
NONDEGREE		350	337	96.3	322	95.5	92.0
TOTAL		9823	6232	63.4	3723	59.7	37.9

B. Applicant Trends 1974-75 through 1984-85

In 1959, the earliest year for which data is available, there were 1,280 applications reported by 10 of the 13 schools of public health (including two Canadian schools). By Fall of 1974, when ASPH started to collect data on the schools, there were almost 10,000 applications reported for 19 [U.S.] schools. Applications peaked at 13,000 in Fall of 1978 and then began to decline rather rapidly. From 1978 to 1983 total applications declined by over 23%. Applications for 23 schools in Fall 1983 (9,998) were at the same level as applications for 19 schools (9,916) ten years earlier. In Fall 1984 applications increased for the first time since 1978 -- by a little more than 1%. As noted previously, ASPH data deals with applications, rather than individuals, and it is not known whether there has been a decrease in the average number of applications since 1978, which would affect the data. However, it is reasonably certain that the decline largely reflects a drop in the number of individuals applying to schools of public health.

There have been some significant demographic changes in applicants over the past eleven years. The proportion of female applicants has increased from 43% in 1974 to 60% in 1984. Among U.S. applicants, the proportion of females is even higher. The proportion of foreign applicants has increased from 12% in 1974 to 19% in 1983. Although the number of foreign applicants has also increased over the years, much of the percentage change is due to the decline in the number of U.S. applicants.

Data on race of U.S. applicants has only been collected since 1980. In that year about 22% of the U.S. applicants were minorities; that percentage was slightly higher (24%) in 1984. The actual number of minority applicants decreased along with the number of white applicants, from 1,896 in 1980 to 1,426 in 1983. In Fall 1984 the number of minority applicants increased for the first time -- to 1,648.

There appear to have been some slight shifts in areas of specialization of applicants over the years, although overall the areas have tended to remain stable. There have been slight increases in the proportion of applicants in epidemiology and health education/behavioral sciences, and decreases in health administration and, possibly, nutrition. Areas tend to fluctuate up and down and there are always some classification problems, so it is difficult to make confident statements about changes unless the changes are dramatic. This has not been the case with any of the ASPH databases on areas, and the most significant fact regarding areas is that they have remained remarkably stable over the past ten years.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF APPLICANTS
(Fall Semester)

Applicants by Citizenship and Total Applicants

<u>YEAR</u>	<u>U.S.</u>		<u>FOREIGN</u>		<u>UNKNOWN</u>	<u>TOTAL</u>
1959						1280
1960						1594
1961						2274
1962						2376
1963						2884
1964						3591
1965						4026
1966						4109
1967						4709
1968						5215
1969						5999
1974	8744	88.3%	1162	11.7%	10	9916
1975	8703	88.1	1170	11.9	907	10780
1976	10018	87.5	1436	12.5	838	12292
1977	10891	88.6	1395	11.4	40	12326
1978 ¹	10577	86.8	1606	13.2	817	13000
1980 ²	10070	84.6	1828	15.4	0	11898
1981	9327	84.3	1743	15.7	8	11078
1982 ³	7942	82.2	1714	17.8	365	10021
1983	7339	80.1	1827	19.9	832	9998
1984	7586	80.7	1810	19.3	723	10119

Applicants by Sex

<u>YEAR</u>	<u>MALES</u>		<u>FEMALES</u>		<u>UNKNOWN</u>	<u>TOTAL</u>
1974	5417	56.6%	4155	43.4%	344	9916
1975	5394	54.7	4469	45.3	917	10780
1976	5893	51.6	5522	48.4	877	12292
1977	5929	51.3	5625	48.7	772	12326
1978	5880	48.3	6288	51.7	832	13000
1980	5330	44.9	6547	55.1	21	11898
1981	4683	42.3	6383	57.7	12	11078
1982	4221	42.7	5658	57.3	142	10021
1983	4005	41.5	5636	58.5	357	9998
1984	3828	40.2	5698	59.8	593	10119

¹ Puerto Rico did not report in 1978.

² Minnesota did not report in 1980 and 1981.

³ San Diego did not report in 1982.

No applicant data was collected in 1979. Data for 1959-1969 from Dr. James Troupin and includes two Canadian schools.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF APPLICANTS (Continued)

U.S. Applicants by Race

YEAR	ASIAN	BLACK	HISPANIC		AMERIND	WHITE	UNKNOWN	TOTAL
			PUERTO RICO	MAINLAND				
1980	436 5.2%	824 9.8%	149 1.8%	374 4.5%	113 1.3%	6500 77.4%	1674	10070
1981	481 5.9	760 9.3	277 3.4	257 3.1	88 1.1	6334 77.2	1130	9327
1982	350 5.6	624 9.9	287 4.6	184 2.9	60 1.0	4774 76.0	1663	7942
1983	327 5.1	573 9.0	280 4.4	192 3.0	54 0.9	4941 77.6	972	7339
1984	503 7.5	595 8.8	278 4.1	216 3.2	56 0.8	5093 75.6	845	-

Applicants by Area of Specialization

YEAR	BIOSTAT	EPID	HSA	PHP&PM	H. EDUC/BS	ENV. SC.	OS&H
1974	449 4.7%	768 8.1%	3168 33.4%	885 9.3%	721 7.6%	1065 11.2%	63 0.7%
1975	425 4.2	951 9.3	3502 34.4	838 8.2	745 7.3	1039 10.2	155 1.5
1976	507 4.2	1472 12.1	4584 37.6	809 6.6	770 6.3	1214 10.0	138 1.1
1977	490 4.0	1563 12.9	4279 35.2	1023 8.4	678 5.6	1524 12.6	226 1.9
1978	464 4.0	1422 12.3	4337 37.8	839 7.3	743 6.5	1488 13.0	225 2.0
1980	392 3.3	1372 11.7	3558 30.4	1023 8.7	944 8.1	1385 11.8	328 2.8
1981	366 3.3	1302 11.7	2959.5 26.7	1005 9.1	906.5 8.2	1307 11.8	327 3.0
1983	444 4.6	1386 14.4	2903 30.0	786.5 8.1	834.5 8.6	1233 12.8	118.5 1.2
1984	432 4.6	1296 13.7	2816 29.7	800 8.4	927.5 9.8	1175.5 12.4	124 1.3

YEAR	NUTR	BIOMED	OTHER	NONSPEC	NON DEGREE	UNKNOWN	TOTAL
1974	458 4.8%	N/A	1503 15.8%	418 4.4%	N/A	418	9916
1975	503 4.9	282 2.8	884 8.7	864 8.5	N/A	592	10780
1976	581 4.7	366 3.0	1750 14.4	N/A	N/A	101	12292
1977	545 4.5	351 2.9	1171 9.6	291 2.4	N/A	185	12326
1978	621 5.4	251 2.2	1096 9.5	N/A	N/A	1514	13000
1980	678 5.8	356 3.0	1686 14.4	N/A	N/A	176	11898
1981	436.5 3.9	443 4.0	2025.5 18.3	N/A	N/A	0	11078
1983	391 4.1	319 3.3	937.5 9.7	309 3.2	244	92	9998
1984	406 4.3	331 3.5	859 9.1	306 3.2	350	296	10119

No data on areas was collected in 1979 or 1982.

Beginning in 1981 applicants with dual specializations are counted as .5 in each area.

Until 1983 nondegree applicants were counted under their area of specialization or under nonspecialized.

TOTAL APPLICATIONS
U.S. SCHOOLS OF PUBLIC HEALTH
(Fall Semester)

	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>
ALA	*	*	*	*	46		116	98	60	100	81
BOSTON	*	*	*	*	*		*	149	202	236	315
CAL-BERK	842	1022	1125	897	1084		874	835	652	714	669
CAL-UCLA	1238	1217	1097	795	930		1050	847	791	763	750
COLUMBIA	473	623	799	790	867		774	611	654	680	625
HARVARD	549	812	869	791	947		972	866	740	626	734
HAWAII	276	313	385	388	343		377	386	319	263	196
ILL	203	255	365	287	371		352	376	143	121	261
JHU	758	938	1129	1176	1292		1272	1326	1249	1235	1123
L.LINDA	194	198	265	260	245		212	376	174	145	177
MASS	190	195	236	235	310		259	262	265	219	170
MICH	1057	1273	1159	1112	1113		1153	1056	761	763	768
MINN	716	679	753	947	800		**	**	645	453	433
N.CAR	1001	1026	1268	1506	1464		1449	1347	1083	1057	1159
OKLA	120	146	205	266	256		205	116	112	195	147
PITT	615	603	748	611	782		557	636	492	495	530
PR	492	221	96	178	**		160	300	312	295	301
S.CAR	*	*	*	67	111		165	162	102	189	231
S.DIEGO	*	*	*	*	*		*	*	**	164	187
TEXAS	441	386	473	765	618		576	445	368	339	360
TULANE	179	134	453	455	546		572	143	356	368	347
WASH	261	338	383	412	450		446	376	250	322	287
YALE	<u>311</u>	<u>401</u>	<u>484</u>	<u>388</u>	<u>425</u>		<u>357</u>	<u>365</u>	<u>291</u>	<u>241</u>	<u>268</u>
TOTAL	9,916	10,780	12,292	12,326	13,000		11,898	11,078	10,021	9,983	10,119
***	8,708	9,880	11,443	11,134	12,043		11,457	10,369	8,700	8,546	8,571
		+13%	+16%	-3%	+8%		-5%	-10%	-16%	-2%	+0.3%

* Indicates school not yet in operation.

** Indicates missing data.

*** Trends for 17 schools with complete data for all years.

U.S. SCHOOLS OF PUBLIC HEALTH
TRENDS IN APPLICATIONS/ACCEPTANCES/ENROLLMENTS*

<u>YEAR</u>	<u>NO. OF SCHOOLS</u>	<u>NUMBER OF APPLICATIONS</u>	<u>NUMBER ACCEPTED</u>	<u>PERCENT ACCEPTED</u>	<u>NEW ENROLLMENTS</u>	<u>AS % OF ACCEPTANCES</u>	<u>AS % OF APPLICATIONS</u>
1961-62	14	2,274	1,465	64.4	-	-	-
1965-66	15	4,026	2,543	63.2	1,797	70.7	44.6
1967-68	17	4,709	2,682	57.0	1,947	72.6	41.3
1969-70	18	5,999	3,321	55.4	2,317	69.8	38.6
1974-75	17	8,708	-	-	2,715	-	31.2
1976-77	17	11,443	-	-	3,051	-	26.7
1978-79	17	12,043	-	-	3,391	-	28.2
1981-82	17	10,369	5,217	50.3	-	-	-
1982-83	17	8,700	5,243	60.3	2,852	54.4	32.8
1983-84	17	8,561	5,352	62.5	2,825	52.8	33.0
1984-85	17	8,571	5,355	62.5	3,042	56.8	35.5

* ASPH data (1974-1984) for 17 schools with data for years included. 1960s data from Dr. James Troupin includes two Canadian schools.

II. NEW ENROLLMENTS, FALL 1984

There were 3,812 new enrollments in the 23 schools for Fall 1984. This represented an almost 11% increase over Fall 1983 (3,444). New enrollments represented almost 43% of the total enrollment in the schools (39% in 1983).

The proportion of new female students continued to increase (62%), and foreign students represented over 15% of new enrollments. The number and proportion of new minority students also increased in 1984 (515 or 19.1%) over 1983 (454 or 18.6%).

The area of specialization for new enrollments in Fall 1984 was approximately the same as that for total students.

U.S. SCHOOLS OF PUBLIC HEALTH
SUMMARY CHARACTERISTICS OF NEW ENROLLMENTS
Fall 1984

SEX & CITIZENSHIP

MALES	1434	38.1%	U.S.	3006	84.4%
FEMALES	2332	61.9	FOREIGN	554	15.6
UNKNOWN	46	-	UNKNOWN	252	-
TOTAL	3812	100.0%	TOTAL	3812	100.0%
U.S. MALES	1050	34.9%	FOR. MALES	340	61.4%
U.S. FEMALES	1956	65.1	FOR. FEMALES	214	38.6
UNKNOWN	-	-	UNKNOWN	-	-
TOTAL	3006	100.0%	TOTAL	554	100.0%

<u>RACE (U.S.)</u>	<u>MALES</u>	<u>FEMALES</u>	<u>TOTAL</u>	
ASIAN	59	85	144	5.4%
BLACK	54	116	170	6.3
HISPANIC	63	119	182	6.8
AMERIND	10	9	19	0.7
(TOTAL MIN.)	(186)	(329)	(515)	(19.1)
WHITE	765	1411	2176	80.9
UNKNOWN	99	216	315	-
TOTAL	1050	1956	3006	100.0%

AREA OF SPECIALIZATION

BIOSTAT	137.5	4.0%
EPID	445	13.1
HSA	998.5	29.4
PHP&PM	308.5	9.1
H. EDUC/BS	326.5	9.6
ENV. SC	422	12.4
OS&H	48	1.4
NUTR	144.5	4.2
BIOMED	110	3.2
OTHER	302.5	8.9
NONSPEC	158	4.7
NONDEGREE	322	-
UNKNOWN	89	-
TOTAL	3812	100.0%

TABLE 2-1
U.S. SCHOOLS OF PUBLIC HEALTH
NEW ENROLLMENTS BY SCHOOL, SEX & CITIZENSHIP
FALL 1984

<u>SCHOOL</u>	<u>MALE</u>	<u>FEMALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
ALA	23.0	25.0	.0	48.0
BOSTON	42.0	140.0	.0	182.0
CAL-BERK	62.0	169.0	.0	231.0
CAL-UCLA	79.0	140.0	.0	219.0
COLUMBIA	81.0	198.0	.0	279.0
HARVARD	128.0	137.0	.0	265.0
HAWAII	21.0	57.0	.0	78.0
ILL	63.0	135.0	.0	198.0
JHU	155.0	175.0	.0	330.0
L.LINDA	46.0	43.0	.0	89.0
MASS	.0	.0	46.0	46.0
MICH	85.0	130.0	.0	215.0
MINN	72.0	132.0	.0	204.0
N.CAR	130.0	178.0	.0	308.0
OKLA	27.0	34.0	.0	61.0
PITT	63.0	124.0	.0	187.0
PR	42.0	78.0	.0	120.0
S.CAR	49.0	78.0	.0	127.0
S.DIEGO	32.0	57.0	.0	89.0
TEXAS	54.0	79.0	.0	133.0
TULANE	100.0	80.0	.0	180.0
WASH	52.0	52.0	.0	104.0
YALE	28.0	91.0	.0	119.0
Total	1434.0	2332.0	46.0	3812.0

<u>SCHOOL</u>	<u>U.S.</u>	<u>FOREIGN</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
ALA	42.0	6.0	.0	48.0
BOSTON	99.0	11.0	72.0	182.0
CAL-BERK	211.0	20.0	.0	231.0
CAL-UCLA	175.0	44.0	.0	219.0
COLUMBIA	257.0	22.0	.0	279.0
HARVARD	206.0	59.0	.0	265.0
HAWAII	57.0	21.0	.0	78.0
ILL	55.0	9.0	134.0	198.0
JHU	229.0	101.0	.0	330.0
L.LINDA	68.0	21.0	.0	89.0
MASS	.0	.0	46.0	46.0
MICH	188.0	27.0	.0	215.0
MINN	189.0	15.0	.0	204.0
N.CAR	277.0	31.0	.0	308.0
OKLA	56.0	5.0	.0	61.0
PITT	175.0	12.0	.0	187.0
PR	106.0	14.0	.0	120.0
S.CAR	119.0	8.0	.0	127.0
S.DIEGO	82.0	7.0	.0	89.0
TEXAS	116.0	17.0	.0	133.0
TULANE	101.0	79.0	.0	180.0
WASH	90.0	14.0	.0	104.0
YALE	108.0	11.0	.0	119.0
Total	3006.0	17 554.0	252.0	3812.0

TABLE 2-2
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. NEW ENROLLMENTS BY SCHOOL & RACE
FALL 1984

<u>SCHOOL</u>	<u>ASIAN</u>	<u>BLACK</u>	<u>HISPANIC</u>	<u>AMERIND</u>	<u>TOTALMIN</u>
ALA	1.0	1.0	.0	.0	2.0
BOSTON	2.0	3.0	3.0	.0	8.0
CAL-BERK	14.0	12.0	8.0	2.0	36.0
CAL-UCLA	14.0	15.0	19.0	.0	48.0
COLUMBIA	.0	.0	.0	.0	.0
HARVARD	11.0	13.0	8.0	3.0	35.0
HAWAII	19.0	2.0	1.0	2.0	24.0
ILL	7.0	7.0	1.0	.0	15.0
JHU	12.0	16.0	3.0	1.0	32.0
L.LINDA	4.0	6.0	2.0	.0	12.0
MASS	.0	.0	.0	.0	.0
MICH	5.0	9.0	2.0	2.0	18.0
MINN	7.0	1.0	.0	1.0	9.0
N.CAR	17.0	20.0	5.0	4.0	46.0
OKLA	.0	7.0	1.0	4.0	12.0
PITT	6.0	15.0	2.0	.0	23.0
PR	.0	.0	106.0	.0	106.0
S.CAR	.0	9.0	2.0	.0	11.0
S.DIEGO	7.0	.0	3.0	.0	10.0
TEXAS	6.0	8.0	7.0	.0	21.0
TULANE	6.0	9.0	4.0	.0	19.0
WASH	3.0	.0	2.0	.0	5.0
YALE	3.0	17.0	3.0	.0	23.0
Total	144.0	170.0	182.0	19.0	515.0

<u>SCHOOL</u>	<u>WHITE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
ALA	40.0	.0	42.0
BOSTON	90.0	1.0	99.0
CAL-BERK	175.0	.0	211.0
CAL-UCLA	111.0	16.0	175.0
COLUMBIA	.0	257.0	257.0
HARVARD	156.0	15.0	206.0
HAWAII	31.0	2.0	57.0
ILL	40.0	.0	55.0
JHU	197.0	.0	229.0
L.LINDA	56.0	.0	68.0
MASS	.0	.0	.0
MICH	154.0	16.0	188.0
MINN	180.0	.0	189.0
N.CAR	231.0	.0	277.0
OKLA	44.0	.0	56.0
PITT	152.0	.0	175.0
PR	.0	.0	106.0
S.CAR	108.0	.0	119.0
S.DIEGO	64.0	8.0	82.0
TEXAS	95.0	.0	116.0
TULANE	82.0	.0	101.0
WASH	85.0	.0	90.0
YALE	85.0	.0	108.0
Total	2176.0	315.0	3006.0

TABLE 2-3
U.S. SCHOOLS OF PUBLIC HEALTH
NEW ENROLLMENTS BY AREA, SEX & CITIZENSHIP
FALL 1984

<u>AREA</u>	<u>MALE</u>	<u>FEMALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
BIOSTAT	62.0	75.5	.0	137.5
EPID	198.5	246.5	.0	445.0
HSA	373.5	625.0	.0	998.5
PHP&PM	84.5	224.0	.0	308.5
H.EDUC/BS	82.5	244.0	.0	326.5
ENV.SC	253.5	168.5	.0	422.0
OS&H	24.5	23.5	.0	48.0
NUTR	19.0	125.5	.0	144.5
BIOMED	52.0	58.0	.0	110.0
OTHER	109.0	193.5	.0	302.5
NONSPEC	75.0	83.0	.0	158.0
NONDEGREE	86.0	236.0	.0	322.0
UNKNOWN	14.0	29.0	46.0	89.0
Total	1434.0	2332.0	46.0	3812.0

<u>AREA</u>	<u>U.S.</u>	<u>FOREIGN</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
BIOSTAT	104.5	33.0	.0	137.5
EPID	367.0	78.0	.0	445.0
HSA	906.5	92.0	.0	998.5
PHP&PM	253.5	55.0	.0	308.5
H.EDUC/BS	289.5	37.0	.0	326.5
ENV.SC	360.0	62.0	.0	422.0
OS&H	43.0	5.0	.0	48.0
NUTR	133.0	11.5	.0	144.5
BIOMED	83.0	27.0	.0	110.0
OTHER	216.0	86.5	.0	302.5
NONSPEC	121.0	37.0	.0	158.0
NONDEGREE	96.0	20.0	206.0	322.0
UNKNOWN	33.0	10.0	46.0	89.0
Total	3006.0	554.0	252.0	3812.0

<u>AREA</u>	<u>U.S. MALES</u>	<u>U.S. FEMALES</u>	<u>FOR. MALES</u>	<u>FOR. FEMALES</u>
BIOSTAT	43.0	61.5	19.0	14.0
EPID	148.5	218.5	50.0	28.0
HSA	313.5	593.0	60.0	32.0
PHP&PM	54.5	199.0	30.0	25.0
H.EDUC/BS	62.5	227.0	20.0	17.0
ENV.SC	201.5	158.5	52.0	10.0
OS&H	22.5	20.5	2.0	3.0
NUTR	16.0	117.0	3.0	8.5
BIOMED	35.0	48.0	17.0	10.0
OTHER	59.0	157.0	50.0	36.5
NONSPEC	52.0	69.0	23.0	14.0
NONDEGREE	34.0	62.0	8.0	12.0
UNKNOWN	8.0	25.0	6.0	4.0
Total	1050.0	1956.0	340.0	214.0

TABLE 2-4
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. NEW ENROLLMENTS BY AREA & RACE
FALL 1984

<u>AREA</u>	<u>ASIAN</u>	<u>BLACK</u>	<u>HISPANIC</u>	<u>AMERIND</u>
BIOSTAT	3.0	6.0	6.0	.0
EPID	23.0	30.5	13.0	1.0
HSA	32.5	48.5	41.0	8.0
PHP&PM	11.0	28.0	12.0	1.0
H.EDUC/BS	9.5	16.0	27.0	4.0
ENV.SC	19.0	12.0	17.0	1.0
OS&H	3.0	1.0	1.0	.0
NUTR	5.0	5.0	17.0	.0
BIOMED	13.0	6.0	1.0	1.0
OTHER	14.0	5.0	17.0	.0
NONSPEC	3.0	6.0	11.0	3.0
NONDEGREE	8.0	3.0	19.0	.0
UNKNOWN	.0	3.0	.0	.0
Total	144.0	170.0	182.0	19.0

<u>AREA</u>	<u>WHITE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
BIOSTAT	79.5	10.0	104.5
EPID	263.5	36.0	367.0
HSA	668.5	108.0	906.5
PHP&PM	195.5	6.0	253.5
H.EDUC/BS	220.0	13.0	289.5
ENV.SC	294.0	17.0	360.0
OS&H	37.0	1.0	43.0
NUTR	102.0	4.0	133.0
BIOMED	62.0	.0	83.0
OTHER	136.0	44.0	216.0
NONSPEC	63.0	35.0	121.0
NONDEGREE	37.0	29.0	96.0
UNKNOWN	18.0	12.0	33.0
Total	2176.0	315.0	3006.0

III. STUDENTS

A. Fall 1984 Students

There were 8,957 students enrolled in the 23 schools in Fall 1984. Of this total, almost 60% were female, 13% were foreign, and almost 16% of the U.S. students were members of minority groups. Tables 3-1 and 3-2 show demographic breakdowns of students by school. There were some significant differences among schools regarding the demographic characteristics of their student bodies. For example, at Tulane 40% of the students were foreign, while Massachusetts and San Diego had few foreign students. There were also some significant differences in the proportion of male/female and minority students by school.

ASPH no longer collects data on age of students. In 1982 the median age of students was 29-1/2 and had been rising by about 6 months every year since 1976. Therefore, it is reasonable to assume that in 1984 the median age for students was about 30-31 years of age.

Almost half (48%) of the students were enrolled in MPH programs and 71% were in master's degree programs. Twenty-one percent were in doctoral degree programs and almost 8% were non-degree students. Table 3-3 shows differences in degree programs based on demographic characteristics. A higher proportion of males (24%) pursue doctorates than females (19%), and a higher proportion of foreign students (26%) pursue doctorates than U.S. students (21%). In 1984 22% of the White students were pursuing doctorates compared to Asian (18%), Black (19%), Hispanic (22% - see Table 3-11) or American Indian students (17%).

Data on joint degrees (Tables 3-5 and 3-6), other than the MD-MPH, has only been collected by ASPH since 1983. Over one-third of the joint degrees were joint MD degrees, and one-quarter were joint MBA degrees. Sixty-five percent of the joint degrees were sought by students in health services administration.

Over one-half of the students were enrolled in three program areas. Health services administration is the largest program area in schools of public health and had almost 29% of the students; environmental sciences had 13% of the students and epidemiology had 14%.

There were some differences in program area based on demographic characteristics (Tables 3-7, 3-8, 3-11). Women were represented more in public health practice and in health education than men and less in environmental sciences, occupational health and biomedical sciences. Foreign students were represented more in other areas, principally international health and population, and less in health services administration than U.S. students. Asian students had more

representation in biostatistics (almost 9%) and epidemiology (17%) and less representation in health services administration (18%) than other students. Blacks were represented more in health services administration (33%) and public health practice (12%) than other students and less in environmental sciences (8%). Hispanic students at Puerto Rico were represented more in health education (17%), environmental sciences (20%) and nutrition (17%), while mainland Hispanic students were represented more in health education (18%) and other (16%) areas. American Indian students were represented largely in health services administration (47%) and health education (25%) and were represented much less in epidemiology (4%) and environmental sciences (4%) than other students.

The areas with the largest proportion of doctoral students (Table 3-10) were biomedical sciences (50%), biostatistics (41%), epidemiology (37%), and environmental sciences (31%).

Almost one-third (32%) of the Fall 1984 students were part-time. The proportion of part-time students varied greatly among schools (Table 3-13), and six schools had a majority of part-time students. There was some variation based on area (Table 3-12), with proportionately fewer part-time students in nutrition, biomedical sciences, and nonspecialized areas.

ASPH began to collect data on students in nontraditional programs in 1983. A number of the schools have extended degree or other nontraditional programs or programs at locations away from the main campus. Five schools provided data for 1984 (see Table 3-13), and it is hoped that all the schools with nontraditional programs will eventually provide data so that ASPH can monitor this important trend.

U.S. SCHOOLS OF PUBLIC HEALTH
SUMMARY CHARACTERISTICS OF STUDENTS
Fall 1984

SEX & CITIZENSHIP

MALES	3627	40.5%	U.S.	7641	86.6%
FEMALES	5329	59.5	FOREIGN	1180	13.4
UNKNOWN	<u>1</u>	<u>-</u>	UNKNOWN	<u>136</u>	<u>-</u>
TOTAL	8957	100.0%	TOTAL	8957	100.0%
U.S. MALES	2867	37.5%	FOR. MALES	729	61.8%
U.S. FEMALES	4774	62.5	FOR. FEMALES	450	38.2
UNKNOWN	<u>-</u>	<u>-</u>	UNKNOWN	<u>1</u>	<u>-</u>
TOTAL	7641	100.0%	TOTAL	1180	100.0%

<u>RACE (U.S.)</u>	<u>MALES</u>	<u>FEMALES</u>		<u>TOTAL</u>
ASIAN	122	180	302	4.3%
BLACK	130	238	368	5.2
HISPANIC	126	266	392	5.6
AMERIND	21	33	54	0.8
(TOTAL MIN.)	(399)	(717)	(1116)	(15.9)
WHITE	2244	3656	5900	84.1
UNKNOWN	<u>224</u>	<u>401</u>	<u>625</u>	<u>-</u>
TOTAL	2867	4774	7641	100.0%

STATUS

FULL-TIME	5784	64.6%
PART-TIME	2823	31.5
OTHER	350	3.9
UNKNOWN	<u>-</u>	<u>-</u>
TOTAL	8957	100.0%

AREA OF SPECIALIZATION

BIOSTAT	468.5	5.7%	NUTR	300.5	3.6%
EPID	1130.5	13.7	BIOMED	273.0	3.3
HSA	2356.0	28.5	OTHER	684.5	8.3
PHP&PM	596.5	7.2	NONSPEC	289.0	3.5
H. EDUC/BS	836.0	10.1	NONDEGREE	683.0	-
ENV. SC	1109.5	13.4	UNKNOWN	<u>12.0</u>	<u>-</u>
OS&H	218.0	2.7	TOTAL	8957.0	100.0%

DEGREE OBJECTIVE

MPH	4300	48.0%	PhD	994	11.1%
MS	755	8.4	OTHER DOCT.	48	0.6
MSPH	411	4.6	JOINT DEGREE	165	1.8
MHA/MHSA	404	4.5	NONDEGREE	<u>683</u>	<u>7.6</u>
OTHER MASTERS	339	3.8	TOTAL	8957	100.0%
DrPH	594	6.6	TOTAL MASTERS	6373	71.2%
ScD	264	3.0	TOTAL DOCT.	1901	21.2%

TABLE 3-1
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY SCHOOL, SEX & CITIZENSHIP
FALL 1984

<u>SCHOOL</u>	<u>MALE</u>		<u>FEMALE</u>		<u>UNKNOWN</u>	<u>TOTAL</u>
ALA	79.0	57.2%	59.0	42.8%	.0	138.0
BOSTON	71.0	28.1	182.0	71.9	1.0	254.0
CAL-BERK	156.0	33.5	309.0	66.5	.0	465.0
CAL-UCLA	195.0	35.9	348.0	64.1	.0	543.0
COLUMBIA	161.0	32.6	333.0	67.4	.0	494.0
HARVARD	200.0	47.0	226.0	53.0	.0	426.0
HAWAII	87.0	40.5	128.0	59.5	.0	215.0
ILL	88.0	29.7	208.0	70.3	.0	296.0
JHU	350.0	43.4	456.0	56.6	.0	806.0
L.LINDA	177.0	45.2	215.0	54.8	.0	392.0
MASS	52.0	34.2	100.0	65.8	.0	152.0
MICH	278.0	43.8	356.0	56.2	.0	634.0
MINN	134.0	34.1	259.0	65.9	.0	393.0
N.CAR	310.0	42.0	429.0	58.0	.0	739.0
OKLA	121.0	49.2	125.0	50.8	.0	246.0
PITT	216.0	41.4	306.0	58.6	.0	522.0
PR	70.0	29.4	168.0	70.6	.0	238.0
S.CAR	115.0	42.0	159.0	58.0	.0	274.0
S.DIEGO	67.0	37.2	113.0	62.8	.0	180.0
TEXAS	210.0	41.7	293.0	58.3	.0	503.0
TULANE	225.0	54.2	190.0	45.8	.0	415.0
WASH	154.0	46.0	181.0	54.0	.0	335.0
YALE	111.0	37.4	186.0	62.6	.0	297.0
Total	3627.0	40.5%	5329.0	59.5%	1.0	8957.0

<u>SCHOOL</u>	<u>U.S.</u>		<u>FOREIGN</u>		<u>UNKNOWN</u>	<u>TOTAL</u>
ALA	105.0	76.1%	33.0	23.9%	.0	138.0
BOSTON	231.0	90.9	23.0	9.1	.0	254.0
CAL-BERK	429.0	92.3	36.0	7.7	.0	465.0
CAL-UCLA	457.0	84.2	86.0	15.8	.0	543.0
COLUMBIA	456.0	92.3	38.0	7.7	.0	494.0
HARVARD	343.0	80.5	83.0	19.5	.0	426.0
HAWAII	171.0	79.5	44.0	20.5	.0	215.0
ILL	150.0	92.6	12.0	7.4	.0	296.0
JHU	628.0	77.9	178.0	22.1	134.0	806.0
L.LINDA	306.0	78.1	86.0	21.9	.0	392.0
MASS	151.0	99.3	1.0	0.7	.0	152.0
MICH	554.0	87.4	80.0	12.6	.0	634.0
MINN	357.0	90.8	36.0	9.2	.0	393.0
N.CAR	669.0	90.5	70.0	9.5	.0	739.0
OKLA	222.0	90.2	24.0	9.8	.0	246.0
PITT	482.0	92.3	40.0	7.7	.0	522.0
PR	223.0	93.7	15.0	6.3	.0	238.0
S.CAR	250.0	91.9	22.0	8.1	2.0	274.0
S.DIEGO	173.0	96.1	7.0	3.9	.0	180.0
TEXAS	445.0	88.5	58.0	11.5	.0	503.0
TULANE	249.0	60.0	166.0	40.0	.0	415.0
WASH	315.0	94.0	20.0	6.0	.0	335.0
YALE	275.0	92.6	22.0	7.4	.0	297.0
Total	7641.0	86.6%	1180.0	13.4%	136.0	8957.0

TABLE 3-2
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. STUDENTS BY SCHOOL & RACE
FALL 1984

SCHOOL	ASIAN		BLACK		HISPANIC		AMERIND	TOTAL MINORITY
ALA	1.0	1.0%	10.0	9.5%	1.0	1.0%	.0	12.0 11.4%
BOSTON	2.0	0.9	7.0	3.0	9.0	3.9	.0	18.0 7.8
CAL-BERK	27.0	6.3	25.0	5.8	19.0	4.4	11.0 2.6	82.0 19.1
CAL-UCLA	36.0	8.3	25.0	5.8	37.0	8.6	.0	98.0 22.6
COLUMBIA	.0		.0		.0		.0	.0
HARVARD	19.0	5.5	15.0	4.4	9.0	2.6	.0	43.0 12.5
HAWAII	54.0	33.1	2.0	1.2	2.0	1.2	4.0 2.5	62.0 38.0
ILL	8.0	5.3	21.0	14.0	3.0	2.0	.0	32.0 21.3
JHU	25.0	4.0	29.0	4.6	7.0	1.1	4.0 0.6	65.0 10.4
L.LINDA	14.0	4.6	18.0	5.9	11.0	3.6	.0	43.0 14.1
MASS	6.0	4.0	6.0	4.0	8.0	5.3	.0	20.0 13.2
MICH	16.0	3.8	24.0	5.6	5.0	1.2	2.0 0.5	47.0 11.0
MINN	6.0	1.7	4.0	1.1	.0		2.0 0.6	12.0 3.4
N.CAR	7.0	1.0	38.0	5.7	6.0	0.9	10.0 1.5	61.0 9.1
OKLA	1.0	0.5	34.0	15.3	5.0	2.3	20.0 9.0	60.0 27.0
PITT	20.0	4.2	23.0	4.8	5.0	1.0	.0	48.0 10.0
PR	.0		.0		223.0	100.0	.0	223.0 100.0
S.CAR	3.0	1.2	24.0	9.6	2.0	0.8	1.0 0.4	30.0 12.0
S.DIEGO	7.0	4.2	.0		3.0	1.8	.0	10.0 6.1
TEXAS	24.0	5.4	30.0	6.7	25.0	5.6	.0	79.0 17.8
TULANE	.0		10.0	4.0	5.0	2.0	.0	15.0 6.0
WASH	16.0	5.1	2.0	0.6	4.0	1.3	.0	22.0 7.0
YALE	10.0	3.6	21.0	7.6	3.0	1.1	.0	34.0 12.4
Total	302.0	4.3%	368.0	5.2%	392.0	5.6%	54.0 0.8%	1116.0 15.9%

SCHOOL	WHITE		UNKNOWN	TOTAL
ALA	93.0	88.6%	.0	105.0
BOSTON	213.0	92.2	.0	231.0
CAL-BERK	347.0	80.9	.0	429.0
CAL-UCLA	335.0	77.4	24.0	457.0
COLUMBIA	.0		456.0	456.0
HARVARD	300.0	87.5	.0	343.0
HAWAII	101.0	62.0	8.0	171.0
ILL	118.0	78.7	.0	150.0
JHU	563.0	89.6	.0	628.0
L.LINDA	261.0	85.9	2.0	306.0
MASS	131.0	86.8	.0	151.0
MICH	380.0	89.0	127.0	554.0
MINN	345.0	96.6	.0	357.0
N.CAR	608.0	90.9	.0	669.0
OKLA	162.0	73.0	.0	222.0
PITT	434.0	90.0	.0	482.0
PR	.0		.0	223.0
S.CAR	220.0	88.0	.0	250.0
S.DIEGO	155.0	93.9	8.0	173.0
TEXAS	366.0	82.2	.0	445.0
TULANE	234.0	94.0	.0	249.0
WASH	293.0	93.0	.0	315.0
YALE	241.0	87.6	.0	275.0
Total	5900.0	84.1%	625.0	7641.0

TABLE 3-3
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY DEGREE OBJECTIVE, SEX, CITIZENSHIP & RACE¹
FALL 1984

DEGREEOBJ	MALE		FEMALE		U.S.		FOREIGN	
MPH	1631.0	45.0%	2668.0	50.0%	3745.0	49.0%	554.0	47.0%
MS	279.0	7.7	476.0	8.9	674.0	8.8	81.0	6.9
MSPH	197.0	5.4	214.0	4.0	346.0	4.5	65.0	5.5
MHA/MHSA	173.0	4.8	231.0	4.3	395.0	5.2	9.0	0.8
OTHER.MAST	127.0	3.5	212.0	4.0	307.0	4.0	32.0	2.7
DrPH	237.0	6.5	357.0	6.7	477.0	6.2	117.0	9.9
ScD	133.0	3.7	131.0	2.5	219.0	2.9	45.0	3.8
PhD	478.0	13.2	516.0	9.7	860.0	11.3	134.0	11.4
OTHER.DOC	30.0	0.8	18.0	0.4	41.0	0.5	7.0	0.6
JOINT.DEG	67.0	1.9	98.0	1.8	158.0	2.1	7.0	0.6
NONDEGREE	275.0	7.6	408.0	7.7	419.0	5.5	129.0	10.9
Total	3627.0	100.0%	5329.0	100.0%	7641.0	100.0%	1180.0	100.0%
% MASTERS ²	68.2		73.1		73.6		63.4	
% DOCTORATES	24.2		19.2		20.9		25.7	

DEGREEOBJ	ASIAN		BLACK		HISPANIC ³		AMERIND		WHITE	
MPH	162.0	53.6%	200.0	54.4%	129.0	32.9%	39.0	72.2%	2867.0	48.6%
MS	33.0	10.9	19.0	5.2	91.0	23.2	1.0	1.9	481.0	8.2
MSPH	11.0	3.6	25.0	6.8	5.0	1.3	2.0	3.7	298.0	5.1
MHA/MHSA	7.0	2.3	13.0	3.5	34.0	8.7	.0		331.0	5.6
OTHER.MAST	12.0	4.0	9.0	2.5	70.0	17.9	2.0	3.7	214.0	3.6
DrPH	13.0	4.3	35.0	9.5	16.0	4.1	6.0	11.1	337.0	5.7
ScD	8.0	2.7	6.0	1.6	4.0	1.0	1.0	1.9	200.0	3.4
PhD	30.0	10.0	24.0	6.5	17.0	4.3	2.0	3.7	718.0	12.2
OTHER.DOC	2.0	0.7	4.0	1.1	.0		.0		32.0	0.5
JOINT.DEG	4.0	1.3	13.0	3.5	2.0	0.5	.0		91.0	1.5
NONDEGREE	20.0	6.6	20.0	5.4	24.0	6.1	1.0	1.9	331.0	5.6
Total	302.0	100.0%	368.0	100.0%	392.0	100.0%	54.0	100.0%	5900.0	100.0%
% MASTERS ²	75.5		75.8		84.5		81.5		72.6	
% DOCTORATES	17.9		18.8		9.4		16.7		21.8	

¹Excludes students of unknown sex, citizenship and race.

²Includes joint degrees based on SPH degree.

³See Table 3-12 for breakdown data on Hispanic students.

TABLE 3-4
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY SCHOOL & DEGREE OBJECTIVE
FALL 1984

	MPH	MS	MSPH	MHA/ MHSA	OTHER MASTERS	DrPH	ScD	PhD	OTHER DOCT.	JOINT DEGREE	TOTAL	TOTAL ¹ MASTERS	TOTAL ¹ DOCT.	NON DEGREE
ALA	85		13			14				11	138	109	79.0%	14 10.1
BOSTON	178						5				254	178	70.0	5 2.0
CAL-BERK	329	8			9	57		62			465	346	74.4	119 25.6
CAL-UCLA	300		80			54		70	17	14	543	394	72.6	141 26.0
COLUMBIA	331	19				72				51	494	401	81.2	72 14.6
HARVARD	120	137			3	18	119			11	426	271	63.6	137 32.2
HAWAII	154	18				17		13			215	172	80.0	30 14.0
ILL	113	17				15		17			296	130	43.9	32 10.8
JHU	147	50			85	47	107	233		3	806	285	35.4	387 48.0
L.LINDA	220		13	28		18			15		392	261	66.6	33 8.4
MASS	36	97						19			152	133	87.5	19 12.5
MICH	332	47		100		26		101			634	479	75.6	127 20.0
MINN	223	59		52				41			393	334	85.0	41 10.4
N.CAR	330	33	188		24	61		103			739	575	77.8	164 22.2
OKLA	160	19				11		56			246	179	72.8	67 27.2
PITT	156			72	147	29	19	73			522	375	71.8	121 23.2
PR	36	84		32	69						238	221	92.9	-
S.CAR	108	12	65	18	2	13		25	16	3	274	208	75.9	54 19.7
S.DIEGO	180										180	180	100.0	-
TEXAS	265	46				86		88			503	311	61.8	174 34.6
TULANE	160		51	46		46	14			46	415	303	73.0	60 14.5
WASH	129	109	1	56				31		9	335	303	90.5	32 9.5
YALE	208					10		62		17	297	225	75.8	72 24.2
TOTAL	4300	755	411	404	339	594	264	994	48	165	8957	6373	71.2	1901 21.2
														683 7.6

¹ Includes joint degrees classified according to SPH degree.

TABLE 3-5
U.S. SCHOOLS OF PUBLIC HEALTH
JOINT DEGREES BY AREA, SEX & RACE¹
FALL 1984

AREA	SUBAREA	JOINT DEGREE	MALE	FEMALE	TOTAL
EPID		MD-MPH	2.0	1.0	3.0
EPID		MD-PhD	.0	1.0	1.0
EPID		MPH-MA	1.0	.0	1.0
HSA		MD-MPH	12.0	11.0	23.0
HSA		MHA-MBA	7.0	3.0	10.0
HSA		MPH-DDS	2.0	3.0	5.0
HSA		MPH-MBA	12.0	16.0	28.0
HSA		MPH-MIA	.0	1.0	1.0
HSA		MPH-MN	.0	3.0	3.0
HSA		MPH-MPA	.0	2.0	2.0
HSA		MPH-MPPM	.0	1.0	1.0
HSA		MPH-MSN	2.0	21.0	23.0
HSA		MPH-MSUP	2.0	4.0	6.0
HSA		MPH-MSW	1.0	5.0	6.0
PHP&PM	MCH	MD-MPH	1.0	1.0	2.0
PHP&PM	MCH	MPH-MSW	.0	3.0	3.0
H.EDUC/BS		MPH-MA	.0	1.0	1.0
ENV.SC		MPH-MBA	1.0	1.0	2.0
ENV.SC		MPH-MPPM	.0	1.0	1.0
OTHER	INTER.HLTH	MHS-BA	1.0	2.0	3.0
OTHER	POP/FAM.HLTH	MPH-MA	1.0	.0	1.0
OTHER	POPULATION	MPH-MBA	.0	1.0	1.0
OTHER	POPULATION	MPH-MSN	.0	6.0	6.0
OTHER	POPULATION	MPH-MSW	.0	2.0	2.0
OTHER	TROPICAL.PH	MD-MPH	7.0	1.0	8.0
NONSPEC		MD-MPH	14.0	6.0	20.0
NONSPEC		MPH-MIA	.0	1.0	1.0
NONSPEC		MPH-MSN	1.0	.0	1.0
Total			67.0	98.0	165.0

JOINT DEGREE	ASIAN	BLACK	HISPANIC	AMERIND	WHITE
MD-MPH	2.0	11.0	2.0	.0	39.0
MD-PhD	1.0	.0	.0	.0	.0
MHA-MBA	.0	.0	.0	.0	9.0
MHS-BA	.0	.0	.0	.0	1.0
MPH-DDS	1.0	.0	.0	.0	4.0
MPH-MA	.0	.0	.0	.0	3.0
MPH-MBA	.0	1.0	.0	.0	22.0
MPH-MIA	.0	.0	.0	.0	.0
MPH-MN	.0	.0	.0	.0	3.0
MPH-MPA	.0	.0	.0	.0	.0
MPH-MPPM	.0	.0	.0	.0	2.0
MPH-MSN	.0	1.0	.0	.0	5.0
MPH-MSUP	.0	.0	.0	.0	.0
MPH-MSW	.0	.0	.0	.0	3.0
Total	4.0	13.0	2.0	.0	91.0

¹Racial breakdown excludes 7 foreign students and 48 U.S. students of unknown race.

TABLE 3-6
U.S. SCHOOLS OF PUBLIC HEALTH
JOINT DEGREE BY SCHOOL & CITIZENSHIP
FALL 1984

<u>SCHOOL</u>	<u>JOINT DEGREE</u>	<u>TOTAL</u>
ALA	MPH-MBA	11.0
CAL-UCLA	MD-MPH	5.0
CAL-UCLA	MPH-DDS	2.0
CAL-UCLA	MPH-MA	3.0
CAL-UCLA	MPH-MBA	4.0
COLUMBIA	MD-MPH	2.0
COLUMBIA	MPH-MBA	7.0
COLUMBIA	MPH-MIA	2.0
COLUMBIA	MPH-MPA	2.0
COLUMBIA	MPH-MSN	24.0
COLUMBIA	MPH-MSUP	6.0
COLUMBIA	MPH-MSW	8.0
HARVARD	MD-MPH	8.0
HARVARD	MPH-DDS	3.0
JHU	MHS-BA	3.0
S.CAR	MPH-MN	3.0
TULANE	MD-MPH	24.0
TULANE	MHA-MBA	10.0
TULANE	MPH-MBA	9.0
TULANE	MPH-MSW	3.0
WASH	MD-MPH	8.0
WASH	MD-PhD	1.0
YALE	MD-MPH	9.0
YALE	MPH-MPPM	2.0
YALE	MPH-MSN	6.0
Total		165.0

<u>JOINT DEGREE</u>	<u>U.S.</u>	<u>FOREIGN</u>	<u>TOTAL</u>
MD-MPH	56.0	.0	56.0
MD-PhD	1.0	.0	1.0
MHA-MBA	9.0	1.0	10.0
MHS-BA	1.0	2.0	3.0
MPH-DDS	5.0	.0	5.0
MPH-MA	3.0	.0	3.0
MPH-MBA	29.0	2.0	31.0
MPH-MIA	1.0	1.0	2.0
MPH-MN	3.0	.0	3.0
MPH-MPA	2.0	.0	2.0
MPH-MPPM	2.0	.0	2.0
MPH-MSN	29.0	1.0	30.0
MPH-MSUP	6.0	.0	6.0
MPH-MSW	11.0	.0	11.0
Total	158.0	7.0	165.0

TABLE 3-7
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY AREA, SEX, CITIZENSHIP & RACE¹
FALL 1984

AREA	MALE		FEMALE			U.S.		FOREIGN	
BIOSTAT	219.5	6.6%	249.0	5.1%	.0	373.5	5.2%	95.0	9.1
EPID	465.5	13.9	664.0	13.5	1.0	978.5	13.6	152.0	14.5
HSA	898.0	26.8	1458.0	29.7	.0	2190.5	30.4	165.5	15.8
PHP&PM	151.0	4.5	445.5	9.1	.0	508.0	7.0	88.5	8.4
H.EDUC/BS	216.5	6.5	619.5	12.6	.0	772.5	10.7	62.5	6.0
ENV.SC	665.5	19.9	444.0	9.0	.0	985.0	13.7	124.5	11.9
OS&H	145.0	4.3	73.0	1.5	.0	195.5	2.7	22.5	2.1
NUTR	49.5	1.5	251.0	5.1	.0	270.0	3.7	30.5	2.9
BIOMED	131.0	3.9	142.0	2.9	.0	224.0	3.1	49.0	4.7
OTHER	277.5	8.3	407.0	8.3	.0	466.5	6.5	218.0	20.8
NONSPEC	127.0	3.8	162.0	3.3	.0	248.0	3.4	41.0	3.9
NONDEGREE	275.0	-	408.0	-	.0	419.0	-	129.0	-
UNKNOWN	6.0	-	6.0	-	.0	10.0	-	2.0	-
Total	3627.0	100.0%	5329.0	100.0%	1.0	7641.0	100.0%	1180.0	100.0

AREA	ASIAN		BLACK		HISPANIC ²		AMERIND		WHITE	
BIOSTAT	24.0	8.5%	11.0	3.2%	8.0	2.2%	2.0	3.8%	299.0	5.4
EPID	49.0	17.4	54.0	15.5	22.0	6.0	2.0	3.8	773.0	13.9
HSA	51.0	18.0	116.0	33.3	92.0	25.0	25.0	47.2	1685.5	30.3
PHP&PM	18.0	6.4	42.0	12.1	17.0	4.6	3.0	5.7	421.0	7.6
H.EDUC/BS	29.0	10.3	46.5	13.4	63.5	17.3	13.0	24.5	585.5	10.5
ENV.SC	40.5	14.4	28.0	8.1	52.0	14.1	2.0	3.8	771.0	13.9
OS&H	10.0	3.5	5.0	1.4	2.0	0.5	.0	-	167.0	3.0
NUTR	13.5	4.8	8.5	2.4	45.5	12.3	1.0	1.9	194.5	3.5
BIOMED	20.0	7.1	6.0	1.7	5.0	1.4	1.0	1.9	192.0	3.5
OTHER	22.0	7.8	15.0	4.3	43.0	11.7	.0	-	319.5	5.7
NONSPEC	5.0	1.8	16.0	4.6	18.0	4.9	4.0	7.5	158.0	2.8
NONDEGREE	20.0	-	20.0	-	24.0	-	1.0	-	331.0	-
UNKNOWN	.0	-	.0	-	.0	-	.0	-	3.0	-
Total	302.0	100.0%	368.0	100.0%	392.0	100.0%	54.0	100.0%	5900.0	100.0

¹ Excludes students of unknown sex, citizenship, and race.

² See Table 3-12 for breakdown data on Hispanic students.

TABLE 3-8
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. STUDENTS BY AREA, SEX & RACE¹
FALL 1984

AREA	MALES											
	ASIAN		BLACK		HISP		AMERIND		WHITE			
BIOSTAT	8.0	7.1%	4.0	3.2%	6.0	5.0%	1.0	5.0%	138.5	6.6%		
EPID	26.0	23.0	15.0	12.1	8.0	6.7	.0		287.5	13.6		
HSA	12.0	10.6	46.0	37.1	35.0	29.2	8.0	40.0	630.0	29.8		
PHP&PM	5.0	4.4	12.0	9.7	4.0	3.3	.0		80.0	3.8		
H.EDUC/BS	10.0	8.8	13.0	10.5	21.0	17.5	7.0	35.0	129.5	6.1		
ENV.SC	23.0	20.4	17.0	13.7	19.0	15.8	2.0	10.0	460.0	21.8		
OS&H	7.0	6.2	4.0	3.2	1.0	0.8	.0		108.5	5.1		
NUTR	2.0	1.8	1.0	0.8	6.0	5.0	1.0	5.0	32.5	1.5		
BIOMED	9.0	8.0	3.0	2.4	1.0	0.8	.0		90.0	4.3		
OTHER	8.0	7.1	4.0	3.2	11.0	9.2	.0		96.5	4.6		
NONSPEC	3.0	2.6	5.0	4.0	8.0	6.7	1.0	5.0	62.0	2.9		
NONDEGREE	9.0	-	6.0	-	6.0	-	1.0	-	127.0	-		
UNKNOWN	.0	-	.0	-	.0	-	.0	-	2.0	-		
Total	122.0	100.0%	130.0	100.0	126.0	100.0%	21.0	100.0%	2244.0	100.0		

AREA	FEMALES											
	ASIAN		BLACK		HISP		AMERIND		WHITE			
BIOSTAT	16.0	9.5%	7.0	3.1%	2.0	0.8%	1.0	3.0%	160.5	4.6%		
EPID	23.0	13.6	39.0	17.4	14.0	5.7	2.0	6.1	485.5	14.1		
HSA	39.0	23.1	70.0	31.3	57.0	23.0	17.0	51.5	1055.5	530.6		
PHP&PM	13.0	7.7	30.0	13.4	13.0	5.2	3.0	9.1	341.0	9.9		
H.EDUC/BS	19.0	11.2	33.5	15.0	42.5	17.1	6.0	18.2	456.0	13.2		
ENV.SC	17.5	10.4	11.0	4.9	33.0	13.3	.0		311.0	9.0		
OS&H	3.0	1.8	1.0	0.5	1.0	0.4	.0		58.5	1.7		
NUTR	11.5	6.8	7.5	3.4	39.5	15.9	.0		162.0	4.7		
BIOMED	11.0	6.5	3.0	1.3	4.0	1.6	1.0	3.0	102.0	3.0		
OTHER	14.0	8.3	11.0	4.9	32.0	12.9	.0		223.0	6.4		
NONSPEC	2.0	1.2	11.0	4.9	10.0	4.0	3.0	9.1	96.0	2.8		
NONDEGREE	11.0	-	14.0	-	18.0	-	.0	-	204.0	-		
UNKNOWN	.0	-	.0	-	.0	-	.0	-	1.0	-		
Total	180.0	100.0%	238.0	100.0%	266.0	100.0%	33.0	100.0%	3656.0	100.0		

¹ Excludes students of unknown sex and race.

TABLE 3-9
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY SCHOOL AND AREA
Fall 1984

	BIOSTAT		EPID		HSA		PHP&PM		H.FDUC/ BS		ENV.SC		OS&H	
ALA	2	1.7%	17	14.3%	34	28.6%	6	5.0%	7	5.9%	14	11.8%	7	5.9%
BOSTON			37	20.2	94	51.4			30	16.4	22	12.0		
CAL-BERK	33	7.1	42	9.0	95	20.4	37	8.0	70	15.1	62	13.3		
CAL-UCLA	51	9.5	90	16.8	130	24.3			81	15.1	48	9.0		
COLUMBIA	20	4.3	60	12.9	196	42.2			23	5.0	39	8.4		
HARVARD	30	7.4	50	12.3	132	32.4	26	6.4	7	1.7	27	6.6	29	7.1
HAWAII	12	5.9	23	11.4	45	22.3	23	11.4	44	21.8	19	9.4		
ILL	1	0.6	25	15.4	43	26.5	52	32.1			17.5	10.8	23.5	14.5
JHU	18	2.7	113	16.8	143	21.3	63	9.4	47	7.0	105	15.6		
L.LINDA	7	2.4	6	2.0	45	15.3	17	5.8	84.5	28.7	32	10.9		
MASS	7.5	4.9	27.5	18.1	51	33.6			33	21.7	29	19.1		
MICH	21	3.5	93.5	15.4	219.5	36.2	21	3.5	50	8.3	102	16.8	47.5	7.8
MINN	21	5.6	44	11.7	86	22.9	84	22.4	50	13.3	74	19.7		
N.CAR	87	11.8	64	8.7	182	24.6	72	9.7	68	9.2	142	19.2		
OKLA	13	5.3	33	13.4	81	32.9			53	21.6	66	26.8		
PITT	29	5.9	103	20.8	113	22.8	82	16.5			63	12.7	27	5.4
PR	1	0.5	9	4.1	56	25.3	11	5.0	34	15.4	43	19.5		
S.CAR	7	2.7	38	14.5	75	28.6			85	32.4	57	21.8		
S.DIEGO			32	17.8	42	23.3	29.5	16.4	45.5	25.3	19	10.6	12	6.7
TEXAS	29	6.0	40	8.3	71	14.6	53	10.9	12	2.5	53	10.9	46	9.5
TULANE	6	1.7	31	8.5	100	27.5	20	5.5	12	3.3	32	8.8		
WASH	57	17.0	53	15.8	169	50.5					16	4.8	26	7.8
YALE	16	5.4	99.5	33.5	153.5	51.7					28	9.4		
TOTAL	468.5	5.7	1130.5	13.7	2356	28.5	596.5	7.2	836	10.1	1109.5	13.4	218	2.7

	NUTR		BIOMED		OTHER		NONSPEC		DEGREE	UNKNOWN	TOTAL
ALA					29	24.4%	3	2.5%	15	4	138
BOSTON									71		254
CAL-BERK	36	7.7%	44	9.5%			46	9.9			465
CAL-UCLA	50	9.4			85	15.9			8		543
COLUMBIA					72	15.5	55	11.8	21	8	494
HARVARD	13	3.2	15	3.7	32	7.8	47	11.5	18		426
HAWAII	19	9.4			17	8.4			13		215
ILL									134		296
JHU			91	13.5	92	13.7			134		806
L.LINDA	18.5	6.3			20	6.8	64	21.8	98		392
MASS	4	2.6									152
MICH	19	3.1			32.5	5.4			28		634
MINN	16	4.3							18		393
N.CAR	69	9.3	55	7.4							739
OKLA											246
PITT			38	7.7	41	8.3			26		522
PR	35	15.8			17	7.7	15	6.8	17		238
S.CAR									12		274
S.DIEGO											180
TEXAS					140	28.9	41	8.5	18		503
TULANE	21	5.8	16	4.4	107	29.5	18	5.0	52		415
WASH			14	4.2							335
YALE											297
TOTAL	300.5	3.6	273	3.3	684.5	8.3	289	3.5	683	12	8957

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF STUDENTS (Continued)

Students by Area of Specialization

YEAR	BIOSTAT		EPID		HSA		PHP&PM		H.EDUC/BS		ENV.SC		OS&H	
1974	339	7.3%	422	9.1%	1380	29.8%	416	9.0%	181	3.9%	653	14.1%	114	2.5%
1975	478	8.3	873	15.1	1894	32.8	557	9.6	341	5.9	795	13.8	157	2.7
1976	462	7.5	968	15.7	1788	29.0	573	9.3	449	7.3	762	12.3	154	2.5
1977	440	6.9	759	11.9	1740	27.2	682	10.7	421	6.6	764	12.0	228	3.6
1978	491	7.1	880	12.8	1809	26.3	744	10.8	489	7.1	821	11.9	269	3.9
1979	495	6.8	940	13.0	1923	26.6	651	9.0	495	6.8	900	12.4	310	4.3
1980	472	7.1	882	13.2	1656	24.9	591	8.9	440	6.6	584	8.8	437	6.6
1981	529	6.3	1051	12.5	1731	20.6	921	10.9	556	6.6	956	11.4	398	4.7
1982	559	6.4	1070	12.2	2107	24.0	644.5	7.4	590.5	6.7	1121.5	12.8	313.5	3.6
1983	489.5	6.0	1171.5	14.3	2187.5	26.6	593	7.2	730.5	8.9	1233	15.0	136.5	1.7
1984	468.5	5.7	1130.5	13.7	2356	28.5	596.5	7.2	836	10.1	1109.5	13.4	218	2.7

YEAR	NUTR		BIOMED		OTHER		NONSPEC	NONDEGREE	UNKNOWN	TOTAL
1974	201	4.3%	N/A		927	20.0%	N/A	N/A	1188	5821
1975	245	4.2	N/A		440	7.6	N/A	N/A	681	6461
1976	328	5.3	N/A		690	11.2	N/A	N/A	441	6615
1977	388	6.1	273	4.3%	693	10.8	N/A	N/A	453	6841
1978	386	5.6	256	3.7	731	10.7	N/A	N/A	846	7722
1979	377	5.2	316	4.4	827	11.4	N/A	N/A	981	8215
1980	352	5.3	229	3.4	1018	15.3	N/A	N/A	1825	8486
1981	333	4.0	373	4.4	897	10.7	670	8.0%	632	9047
1982	373	4.3	348	4.0	859	9.8	783	8.9	127	8896
1983	276	3.4	258	3.1	781.5	9.5	362	4.4	695	8937
1984	300.5	3.6	273	3.3	684.5	8.3	289	3.5	683	8957

Beginning in 1982 students with dual specializations counted as .5 in each area.
Until 1983 nondegree students recorded under their area of study or nonspecialized.

U.S. SCHOOLS OF PUBLIC HEALTH
TOTAL ENROLLMENTS
Fall Semester

	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>
ALA	--	--	--	--	90	129	147	165	126	135	138
BOSTON	--	--	--	--	--	--	--	280	270	282	254
CAL-BERK*	371	396	505	430	415	466	469	497	435	484	465
CAL-UCLA*	462	493	521	484	528	584	607	580	530	589	543
COLUMBIA*	200	291	327	343	399	413	487	431	538	480	494
HARVARD*	341	381	361	414	473	455	435	403	421	378	426
HAWAII*	149	200	268	316	336	350	352	338	312	260	215
ILL*	103	113	139	139	154	144	163	216	287	263	296
JHU*	493	565	551	633	653	735	891	834	856	851	806
L.LINDA	197	241	269	223	323	258	271	761	722	539	392
MASS*	87	105	86	119	118	167	138	139	135	126	152
MICH*	762	775	683	610	704	657	742	742	645	643	634
MINN*	379	477	460	455	508	509	502	448	374	369	393
N.CAR*	533	501	520	595	660	671	670	600	637	685	739
OKLA*	184	178	172	186	193	248	232	225	188	237	246
PITT*	454	408	408	459	465	483	454	500	454	496	522
PR	N/A	221	96	136	136	136	144	140	203	224	238
S.CAR	--	--	--	76	117	154	154	175	192	214	274
S.DIEGO	--	--	--	--	--	--	--	--	100	130	180
TEXAS*	325	372	365	414	555	601	603	576	504	494	503
TULANE*	301	306	302	338	366	405	344	389	382	427	415
WASH*	264	223	285	242	290	380	404	321	294	359	335
YALE*	<u>216</u>	<u>215</u>	<u>297</u>	<u>229</u>	<u>239</u>	<u>270</u>	<u>277</u>	<u>287</u>	<u>291</u>	<u>272</u>	<u>297</u>
TOTAL	5,821	6,461	6,615	6,841	7,722	8,215	8,486	9,047	8,896	8,937	8,957

Trends for

17 schools*	5,624	5,999	6,250	6,406	7,056	7,538	7,770	7,526	7,283	7,413	7,481
		(+7%)	(+4%)	(+3%)	(+10%)	(+7%)	(+3%)	(-3%)	(-3%)	(+2%)	(+1%)

1 Off-campus students included for first time.

2 Puerto Rico not included.

IV. GRADUATES

A. 1984-85 Graduates

There were 3,047 graduates from the 23 schools in 1984-85. This is the lowest number of graduates since 1978-79, when the 21 existing schools of public health reported 2,848 graduates (excluding Bachelor's). Of the graduate total, 59% were female, 16% foreign, and almost 15% of the U.S. graduates were members of minority groups.

Almost 65% of the degrees awarded were MPH degrees, and about 10% were doctorates. Eleven percent of the male graduates got doctorates compared to 9% of the female graduates; 10% of the White graduates got doctorates compared to 8% of the Asian, 6% of the Black, 4% of the Hispanic (excluding Puerto Rico), and 6% of the American Indian graduates.

Areas with the greatest number of graduates were health services administration (29%), environmental sciences (12%), and epidemiology (13%). Those areas with the greatest proportion of doctorates were biomedical sciences (32%), biostatistics (29%) and epidemiology (18%).

There were 479 graduates with prior MD degrees reported by 22 schools. The areas with the highest proportion of prior MDs were occupational health (42%), epidemiology (31%), nonspecialized (30%) and other areas (29%).

Almost 56% of the graduates had only a prior bachelor's degree. This figure is higher if nursing degrees (most of which are bachelor's) are included. There were significant differences in prior degrees based on sex and citizenship. About 62% of the females had only a prior bachelor's compared to 46% of the males. Almost 29% of the males had prior MD degrees compared to 7% of the females. Almost half (47%) of the foreign graduates had prior MD degrees compared to 10% for U.S. graduates.

U.S. SCHOOLS OF PUBLIC HEALTH
SUMMARY CHARACTERISTICS OF GRADUATES
1984-85

SEX & CITIZENSHIP

MALES	1253	41.1%	U.S.	2536	84.0%
FEMALES	1794	58.9	FOREIGN	485	16.0
UNKNOWN	0	-	UNKNOWN	26	-
TOTAL	3047	100.0%	TOTAL	3047	100.0%

U.S. MALES	944	37.2%	FOR. MALES	297	61.2%
U.S. FEMALES	1592	62.8	FOR. FEMALES	188	38.8
UNKNOWN	0	-	UNKNOWN	-	-
TOTAL	2536	100.0%	TOTAL	485	100.0%

<u>RACE (U.S.)</u>	<u>MALES</u>	<u>FEMALES</u>	<u>TOTAL</u>	
ASIAN	55	70	125	5.0%
BLACK	43	97	140	5.6
HISPANIC	35	53	88	3.5
AMERIND	3	15	18	0.7
(TOTAL MIN.)	(136)	(235)	(371)	(14.9)
WHITE	787	1326	2113	85.1
UNKNOWN	21	31	52	-
TOTAL	944	1592	2536	100.0%

AREA

BIOSTAT	135	4.4%	OS&H	83.5	2.7%
EPID	380	12.5	NUTR	119.5	3.9
HSA	867	28.5	BIOMED	74	2.4
PHP&PM	282	9.3	OTHER	295	9.7
H. EDUC/BS	275	9.0	NONSPEC	183	6.0
ENV. SC	353	11.6	TOTAL	3047	100.0%

DEGREE AWARDED

MPH	1967	64.6%	PhD	156	5.1%
MS	266	8.7	OTHER DOCT.	13	0.4
MSPH	161	5.3	JOINT DEGREE	76	2.5
MHA/MHSA	165	5.4	TOTAL	3047	100.0%
OTHER MASTERS	109	3.6	TOTAL MASTERS	2744	90.1%
DrPH	80	2.6	TOTAL DOCT.	303	9.9%
ScD	54	1.8			

HIGHEST PREVIOUS DEGREE

BACHELORS	1650	55.7%	PhD	31	1.0%
NURSING DEG.	219	7.4	OTHER DOCT.	42	1.4
MASTERS	371	12.5	OTHER DEGREE	125	4.2
MD/DO	479	16.2	UNKNOWN	82	-
DDS	33	1.1	TOTAL	3047	100.0%
DVM	15	0.5			

TABLE 4-1
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY SCHOOL, SEX & CITIZENSHIP
1984-85

<u>SCHOOL</u>	<u>MALE</u>	<u>FEMALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
ALA	22.0	22.0	.0	44.0
BOSTON	34.0	73.0	.0	107.0
CAL-BERK	65.0	130.0	.0	195.0
CAL-UCLA	75.0	114.0	.0	189.0
COLUMBIA	64.0	137.0	.0	201.0
HARVARD	114.0	107.0	.0	221.0
HAWAII	48.0	59.0	.0	107.0
ILL	24.0	53.0	.0	77.0
JHU	126.0	155.0	.0	281.0
L.LINDA	43.0	80.0	.0	123.0
MASS	6.0	26.0	.0	32.0
MICH	111.0	128.0	.0	239.0
MINN	67.0	103.0	.0	170.0
N.CAR	113.0	165.0	.0	278.0
OKLA	26.0	31.0	.0	57.0
PITT	47.0	71.0	.0	118.0
PR	19.0	33.0	.0	52.0
S.CAR	19.0	21.0	.0	40.0
S.DIEGO	16.0	32.0	.0	48.0
TEXAS	46.0	54.0	.0	100.0
TULANE	98.0	80.0	.0	178.0
WASH	48.0	47.0	.0	95.0
YALE	22.0	73.0	.0	95.0
Total	1253.0	1794.0	.0	3047.0

<u>SCHOOL</u>	<u>U.S.</u>	<u>FOREIGN</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
ALA	40.0	4.0	.0	44.0
BOSTON	96.0	11.0	.0	107.0
CAL-BERK	178.0	17.0	.0	195.0
CAL-UCLA	138.0	28.0	23.0	189.0
COLUMBIA	179.0	22.0	.0	201.0
HARVARD	163.0	58.0	.0	221.0
HAWAII	82.0	25.0	.0	107.0
ILL	72.0	5.0	.0	77.0
JHU	206.0	75.0	.0	281.0
L.LINDA	94.0	29.0	.0	123.0
MASS	31.0	1.0	.0	32.0
MICH	210.0	26.0	3.0	239.0
MINN	165.0	5.0	.0	170.0
N.CAR	251.0	27.0	.0	278.0
OKLA	53.0	4.0	.0	57.0
PITT	101.0	17.0	.0	118.0
PR	39.0	13.0	.0	52.0
S.CAR	36.0	4.0	.0	40.0
S.DIEGO	39.0	9.0	.0	48.0
TEXAS	86.0	14.0	.0	100.0
TULANE	100.0	78.0	.0	178.0
WASH	90.0	5.0	.0	95.0
YALE	87.0	8.0	.0	95.0
Total	2536.0	485.0	26.0	3047.0

TABLE 4-2
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. GRADUATES BY SCHOOL & RACE
1984-85

<u>SCHOOL</u>	<u>ASIAN</u>	<u>BLACK</u>	<u>HISPANIC</u>	<u>AMERIND</u>	<u>TOTAL MINORITY</u>
ALA	1.0	10.0	1.0	.0	12.0
BOSTON	.0	1.0	2.0	.0	3.0
CAL-BERK	12.0	16.0	5.0	7.0	40.0
CAL-UCLA	13.0	2.0	8.0	.0	23.0
COLUMBIA	8.0	8.0	.0	.0	16.0
HARVARD	7.0	11.0	5.0	.0	23.0
HAWAII	31.0	.0	.0	2.0	33.0
ILL	3.0	10.0	1.0	.0	14.0
JHU	3.0	10.0	.0	.0	13.0
L.LINDA	4.0	6.0	5.0	.0	15.0
MASS	1.0	.0	1.0	.0	2.0
MICH	8.0	10.0	1.0	.0	19.0
MINN	4.0	2.0	.0	2.0	8.0
N.CAR	3.0	20.0	6.0	2.0	31.0
OKLA	.0	7.0	1.0	5.0	13.0
PITT	6.0	8.0	1.0	.0	15.0
PR	.0	.0	39.0	.0	39.0
S.CAR	.0	4.0	.0	.0	4.0
S.DIEGO	.0	.0	2.0	.0	2.0
TEXAS	5.0	3.0	3.0	.0	11.0
TULANE	4.0	5.0	4.0	.0	13.0
WASH	8.0	.0	.0	.0	8.0
YALE	4.0	7.0	3.0	.0	14.0
Total	125.0	140.0	88.0	18.0	371.0

<u>SCHOOL</u>	<u>WHITE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>
ALA	28.0	.0	40.0
BOSTON	93.0	.0	96.0
CAL-BERK	138.0	.0	178.0
CAL-UCLA	102.0	13.0	138.0
COLUMBIA	163.0	.0	179.0
HARVARD	140.0	.0	163.0
HAWAII	45.0	4.0	82.0
ILL	58.0	.0	72.0
JHU	193.0	.0	206.0
L.LINDA	79.0	.0	94.0
MASS	29.0	.0	31.0
MICH	157.0	34.0	210.0
MINN	156.0	1.0	165.0
N.CAR	220.0	.0	251.0
OKLA	40.0	.0	53.0
PITT	86.0	.0	101.0
PR	.0	.0	39.0
S.CAR	32.0	.0	36.0
S.DIEGO	37.0	.0	39.0
TEXAS	75.0	.0	86.0
TULANE	87.0	.0	100.0
WASH	82.0	.0	90.0
YALE	73.0	.0	87.0
Total	2113.0	52.0	2536.0

TABLE 4-3
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY DEGREE, SEX, CITIZENSHIP & RACE¹
1984-85

DEGREE	U.S. MALES	U.S. FEMALES	FOR. MALES	FOR. FEMALES
MPH	574.0	1043.0	206.0	128.0
MS	76.0	145.0	20.0	22.0
MSPH	66.0	64.0	19.0	11.0
MHA/MHSA	65.0	95.0	5.0	.0
OTHER.MAST	37.0	54.0	8.0	10.0
DrPH	20.0	42.0	12.0	4.0
ScD	17.0	21.0	11.0	5.0
PhD	58.0	77.0	13.0	6.0
OTHER.DOC	5.0	3.0	3.0	.0
JOINT.DEG	26.0	48.0	.0	2.0

Total	944.0	1592.0	297.0	188.0
% MASTERS	89.4	91.0	86.9	92.0
% DOCTORATES	10.6	9.0	13.1	8.0

DEGREE	MALE	FEMALE	U.S.	FOREIGN
MPH	788.0	1179.0	1617.0	334.0
MS	97.0	169.0	221.0	42.0
MSPH	85.0	76.0	130.0	30.0
MHA/MHSA	70.0	95.0	160.0	5.0
OTHER.MAST	45.0	64.0	91.0	18.0
DrPH	32.0	48.0	62.0	16.0
ScD	28.0	26.0	38.0	16.0
PhD	72.0	84.0	135.0	19.0
OTHER.DOC	10.0	3.0	8.0	3.0
JOINT.DEG	26.0	50.0	74.0	2.0

Total	1253.0	1794.0	2536.0	485.0
% MASTERS	88.7	91.0	90.4	88.9
% DOCTORATES	11.3	9.0	9.6	11.1

DEGREE	ASIAN	BLACK	HISPANIC	AMERIND	WHITE
MPH	85.0	104.0	57.0	15.0	1337.0
MS	14.0	4.0	12.0	1.0	177.0
MSPH	4.0	11.0	3.0	1.0	109.0
MHA/MHSA	2.0	5.0	8.0	.0	139.0
OTHER.MAST	5.0	2.0	3.0	.0	81.0
DrPH	3.0	7.0	.0	1.0	51.0
ScD	.0	.0	.0	.0	38.0
PhD	7.0	1.0	2.0	.0	113.0
OTHER.DOC	.0	.0	.0	.0	8.0
JOINT.DEG	5.0	6.0	3.0	.0	60.0
Total	125.0	140.0	88.0	18.0	2113.0
% MASTERS	92.0	94.3	97.7	94.4	90.1
% DOCTORATES	8.0	5.7	2.3	5.6	9.9

¹ Excludes graduates of unknown sex, citizenship and race.

TABLE 4-4
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY SCHOOL AND DEGREE AWARDED
1984-85

	MPH	MS	MSPH	MHA/ MHSA	OTHER MASTERS	DrPH	ScD	PhD	OTHER DOCT.	JOINT DEGREE	TOTAL ¹ MASTERS	TOTAL ¹ DOCT.
ALA	34 77.3%		10 22.7%								44 100.0%	-
BOSTON	107 100.0										107 100.0	-
CAL-BERK	161 82.6	11 5.6%			3 1.5%	7 3.6%		13 6.7%			195 175 89.7	20 10.3%
CAL-UCLA	145 76.7	6 3.2	21 11.1			4 2.1		7 3.7	6 3.2%		189 172 91.0	17 9.0
COLUMBIA	139 69.2	13 6.5				11 5.5				38 18.9%	201 190 94.5	11 5.5
HARVARD	109 49.3	76 34.4			3 1.4	2 0.9	18 8.1%			13 5.9	221 201 91.0	20 9.0
HAWAII	95 88.8	9 8.4				1 0.9		2 1.9			107 104 97.2	3 2.8
ILL	62 80.5	8 10.4				1 1.3		6 7.8			77 70 90.9	7 9.1
JHU	146 52.0	8 2.8			54 19.2	7 2.5	27 9.6	39 13.9			281 208 74.0	73 26.0
L.LINDA	99 80.5		10 8.1	7 5.7%		2 1.6			5 4.1		123 116 94.3	7 5.7
MASS	8 25.0	23 71.9						1 3.1			32 31 96.9	1 3.1
MICH	145 60.7	27 11.3		52 21.8		1 0.4		14 5.9			239 224 93.7	15 6.3
MINN	100 58.8	20 11.8		46 27.1				4 2.4			170 166 97.6	4 2.4
N.CAR	139 50.0	24 8.6	65 23.4		9 3.3	15 5.4		26 9.4			278 237 85.3	41 14.7
OKLA	46 80.7	3 5.3				3 5.3		5 8.8			57 49 86.0	8 14.0
PITT	47 39.8			14 11.9	37 31.4	7 5.9	3 2.5	10 8.5			118 98 83.0	20 17.0
PR	31 59.6	11 21.2		7 13.5	3 5.8						52 52 100.0	-
S.CAR	26 65.0	1 2.5	10 25.0			1 2.5			2 5.0		40 37 92.5	3 7.5
S.DIEGO	48 100.0										48 48 100.0	-
TEXAS	63 63.0	11 11.0				12 12.0		14 14.0			100 74 74.0	26 26.0
TULANE	104 58.4		27 15.2	10 5.6		6 3.4	6 3.4			25 14.0%	178 166 93.3	12 6.7
WASH	23 24.2	15 15.8	18 18.9	29 30.5				10 10.5			95 85 89.5	10 10.5
YALE	90 94.7							5 5.3			95 90 94.7	5 5.3
TOTAL	1967 64.6	266 8.7	161 5.3	165 5.4	109 3.6	80 2.6	54 1.8	156 5.1	13 0.4	76 2.5	3047 2744 90.1%	303 9.9%

¹ Includes joint degrees classified according to SPH degree.

TABLE 4-5
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY AREA AND DEGREE
1984-85

	<u>BIOSTAT</u>	<u>EPID</u>	<u>HSA</u>	<u>PHP&PM</u>	<u>H. EDUC BS</u>	<u>ENV. SCI</u>
MPH	29	266	510	237	225	145
MS	55	27	44	18	7	76
MSPH	4	14	42	1	4	59
MHA/MHSA			164	1		
OTHER MAST	8	6	22	9	3	24
DrPH	5	10	11	9	8	7
ScD	5	5	13	2	11	5
PhD	29	52	6	1	10	31
OTHER DOC					7	6
JOINT DEG			55	4		
TOTAL	<u>135</u>	<u>380</u>	<u>867</u>	<u>282</u>	<u>275</u>	<u>353</u>
% MASTERS	71.1	82.4	96.5	95.7	86.9	86.1
% DOCTORATES	28.9	17.6	3.5	4.3	13.1	13.9
	<u>OS&H</u>	<u>NUTR</u>	<u>BIOMED</u>	<u>OTHER</u>	<u>NONSPEC</u>	<u>TOTAL</u>
MPH	49.5	96.5	23	219	167	1967
MS	12	7	8	12		266
MSPH	7	5	15	10		161
MHA/MHSA						165
OTHER MAST	10	1	4	22		109
DrPH	2	6	5	17		80
ScD	2	3	3	5		54
PhD	1	1	16	9		156
OTHER DOC						13
JOINT DEG				1	16	76
TOTAL	<u>83.5</u>	<u>119.5</u>	<u>74</u>	<u>295</u>	<u>183</u>	<u>3047</u>
% MASTERS	94.0	91.6	67.6	89.5	100.0	90.1
% DOCTORATES	6.0	8.4	32.4	10.5	-	9.9

TABLE 4-6
U.S. SCHOOLS OF PUBLIC HEALTH
JOINT DEGREES BY AREA, SEX, CITIZENSHIP & RACE
1984-85

<u>AREA</u>	<u>SUBAREA</u>	<u>JOINT DEG.</u>	<u>TOTAL</u>
HSA		MD-MPH	2.0
HSA		MHA-MBA	3.0
HSA		MPH-DMD	3.0
HSA		MPH-MBA	25.0
HSA		MPH-MSN	11.0
HSA		MPH-MSUP	5.0
HSA		MPH-MSW	6.0
PHP&PM	MCH	MD-MPH	2.0
PHP&PM	MCH	MPH-MSW	2.0
OTHER	POP/FAM.HLTH	MPH-MIA	1.0
NONSPEC		MD-MPH	16.0
Total			76.0

<u>JOINT DEG.</u>	<u>MALE</u>	<u>FEMALE</u>	<u>U.S.</u>	<u>FOREIGN</u>
MD-MPH	11.0	9.0	20.0	.0
MHA-MBA	1.0	2.0	3.0	.0
MPH-DMD	1.0	2.0	3.0	.0
MPH-MBA	12.0	13.0	24.0	1.0
MPH-MIA	.0	1.0	1.0	.0
MPH-MSN	.0	11.0	10.0	1.0
MPH-MSUP	1.0	4.0	5.0	.0
MPH-MSW	.0	8.0	8.0	.0
Total	26.0	50.0	74.0	2.0

<u>JOINT DEG.</u>	<u>ASIAN</u>	<u>BLACK</u>	<u>HISPANIC</u>	<u>AMERIND</u>	<u>WHITE</u>
MD-MPH	3.0	6.0	3.0	.0	8.0
MHA-MBA	.0	.0	.0	.0	3.0
MPH-DMD	1.0	.0	.0	.0	2.0
MPH-MBA	.0	.0	.0	.0	24.0
MPH-MIA	1.0	.0	.0	.0	.0
MPH-MSN	.0	.0	.0	.0	10.0
MPH-MSUP	.0	.0	.0	.0	5.0
MPH-MSW	.0	.0	.0	.0	8.0
Total	5.0	6.0	3.0	.0	60.0

TABLE 4-7
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY AREA, SEX, CITIZENSHIP & RACE¹
1984-85

<u>AREA</u>	<u>U.S. MALES</u>	<u>U.S. FEMALES</u>	<u>FOR. MALES</u>	<u>FOR. FEMALES</u>
BIOSTAT	42.0	64.0	14.0	15.0
EPID	130.5	170.5	54.0	22.0
HSA	271.5	513.5	46.0	32.0
PHP&PM	40.0	184.5	31.0	26.5
H. EDUC/BS	55.0	193.5	9.0	15.5
ENV. SC	182.5	124.5	28.0	13.0
OS&H	51.5	22.0	7.0	3.0
NUTR	20.5	84.5	4.0	4.5
BIOMED	27.0	28.0	11.0	8.0
OTHER	53.5	123.0	76.0	36.5
NONSPEC	70.0	84.0	17.0	12.0
Total	944.0	1592.0	297.0	188.0

<u>AREA</u>	<u>MALE</u>	<u>FEMALE</u>	<u>U.S.</u>	<u>FOREIGN</u>
BIOSTAT	56.0	79.0	106.0	29.0
EPID	185.5	194.5	301.0	76.0
HSA	321.5	545.5	785.0	78.0
PHP&PM	71.0	211.0	224.5	57.5
H. EDUC/BS	64.0	211.0	248.5	24.5
ENV. SC	214.5	138.5	307.0	41.0
OS&H	58.5	25.0	73.5	10.0
NUTR	25.5	94.0	105.0	8.5
BIOMED	38.0	36.0	55.0	19.0
OTHER	131.5	163.5	176.5	112.5
NONSPEC	87.0	96.0	154.0	29.0
Total	1253.0	1794.0	2536.0	485.0

<u>AREA</u>	<u>ASIAN</u>	<u>BLACK</u>	<u>HISPANIC</u>	<u>AMERIND</u>	<u>WHITE</u>
BIOSTAT	15.0	2.0	2.0	.0	83.0
EPID	23.0	15.0	9.0	.0	246.0
HSA	16.0	43.0	20.0	5.0	689.0
PHP&PM	7.0	21.0	9.0	1.0	183.5
H. EDUC/BS	8.5	15.0	9.5	5.0	203.5
ENV. SC	14.0	10.0	13.0	1.0	255.0
OS&H	4.0	2.0	.0	.0	67.5
NUTR	11.5	7.0	5.5	1.0	77.0
BIOMED	6.0	4.0	1.0	1.0	43.0
OTHER	10.0	8.0	7.0	.0	150.5
NONSPEC	10.0	13.0	12.0	4.0	115.0
Total	125.0	140.0	88.0	18.0	2113.0

¹ Excludes graduates of unknown sex, citizenship and race.

TABLE 4-8
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY AREA, RACE & SEX
1984-85

<u>AREA</u>	<u>MALES</u>				
	<u>ASIAN</u>	<u>BLACK</u>	<u>HISPANIC</u>	<u>AMERIND</u>	<u>WHITE</u>
BIOSTAT	6.0	.0	.0	.0	34.0
EPID	14.0	5.0	4.0	.0	104.5
HSA	3.0	14.0	7.0	.0	244.5
PHP&PM	3.0	3.0	3.0	.0	30.0
H.EDUC/BS	4.0	3.0	3.0	1.0	41.0
ENV.SC	8.0	5.0	8.0	1.0	151.5
OS&H	4.0	2.0	.0	.0	45.5
NUTR	2.0	.0	.0	.0	18.5
BIOMED	4.0	2.0	1.0	.0	20.0
OTHER	1.0	4.0	3.0	.0	45.5
NONSPEC	6.0	5.0	6.0	1.0	52.0
Total	55.0	43.0	35.0	3.0	787.0

<u>AREA</u>	<u>FEMALES</u>				
	<u>ASIAN</u>	<u>BLACK</u>	<u>HISPANIC</u>	<u>AMERIND</u>	<u>WHITE</u>
BIOSTAT	9.0	2.0	2.0	.0	49.0
EPID	9.0	10.0	5.0	.0	141.5
HSA	13.0	29.0	13.0	5.0	444.5
PHP&FM	4.0	18.0	6.0	1.0	153.5
H.EDUC/BS	4.5	12.0	6.5	4.0	162.5
ENV.SC	6.0	5.0	5.0	.0	103.5
OS&H	.0	.0	.0	.0	22.0
NUTR	9.5	7.0	5.5	1.0	58.5
BIOMED	2.0	2.0	.0	1.0	23.0
OTHER	9.0	4.0	4.0	.0	105.0
NONSPEC	4.0	8.0	6.0	3.0	63.0
Total	70.0	97.0	53.0	15.0	1326.0

HISPANIC GRADUATES EXCLUDING PUERTO RICO

<u>AREA</u>	<u>MALE</u>	<u>FEMALE</u>	<u>TOTAL</u>
BIOSTAT	.0	1.0	1.0
EPID	1.0	2.0	3.0
HSA	5.0	6.0	11.0
PHP&PM	2.0	1.0	3.0
H.EDUC/BS	3.0	4.5	7.5
ENV.SC	4.0	1.0	5.0
OS&H	.0	.0	.0
NUTR	.0	4.5	4.5
BIOMED	1.0	.0	1.0
OTHER	3.0	3.0	6.0
NCNSPEC	4.0	3.0	7.0
Total	23.0	26.0	49.0

TABLE 4-9
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY SCHOOL AND AREA OF SPECIALIZATION
1984-85

	BIOSTAT		EPID		HSA		PHP&PM		H.EDUC/ BS		ENV.SC		OS&H		NUTR		BIOMED		OTHER		NONSPEC		TOTAL
ALA	1	2.3%	11	25.0%	11	25.0%	1	2.3%	6	13.6%	2	4.5%	7	15.9%					3	6.8%	2	4.5%	44
BOSTON			21	19.6	62	57.9			6.5	6.1	17.5	16.4											107
CAL-BERK	6	3.1	26	13.3	31	15.9	32	16.4	23	11.8	27	13.8			12	6.2%	10	5.1%			28	14.4	195
CAL-UCLA	13	6.9	28	14.8	53	28.0			30	15.9	13	6.9			19	10.1			33	17.5			189
COLUMBIA	14	7.0	13	6.4	93	46.3			10	5.0	10	5.0							40	19.9	21	10.5	201
HARVARD	11	5.0	28	12.7	70	31.7	12	5.4	4	1.8	10	4.5	19	8.6	6	2.7			18	8.1	43	19.5	221
HAWAII	8	7.5	12	11.2	18	16.8	12	11.2	20	18.7	8	7.5			9	8.4			20	18.7			107
ILL			11	14.3	24	31.2	22	28.6			9	11.7	11	14.3									77
JHU	4	1.4	42	15.0	83	29.5	24	8.5	15	5.3	38	13.5					22	7.8	53	18.9			281
L.LINDA	2	1.6	3	2.4	18.5	15.0			32	26.0	6	4.9			8	6.5			13.5	11.0	40	32.5	123
MASS			5	15.6	12	37.5			5	15.6	10	31.3											32
MICH	10	4.2	41	17.2	75.5	31.6	11	4.6	18.5	7.7	34.5	14.4	25.5	10.7	8.5	3.6			14.5	6.1			239
MINN	7	4.1	14	8.2	59	34.7	39	22.9	16	9.4	22	12.9			10	5.9					3	1.8	170
N.CAR	30	10.8	23	8.3	51	18.3	47	16.9	25	9.0	49	17.6			27	9.7	26	9.4					278
OKLA	1	1.8	6	10.5	14	24.6			21	36.8	15	26.3											57
PITT	6	5.1	20	17.0	20	17.0	31	26.3			7	5.9	13	11.0			4	3.4	17	14.4			118
PR	1	1.9	8	15.4	9	17.3	9	17.3	2	3.8	8	15.4			1	1.9			1	1.9	13	25.0	52
S.CAR	1	2.5	7	17.5	9	22.5			13	32.5	10	25.0											40
S.DIEGO			2	4.2	2	4.2	24	50.0	17	35.4	1	2.1	2	4.2									48
TEXAS	5	5.0	8	8.0	9	9.0	7	7.0	1	1.0	11	11.0	6	6.0					30	30.0	23	23.0	100
TULANE	2	1.1	16	9.0	39	21.9	11	6.2	10	5.6	11	6.2			19	10.7	8	4.5	52	29.2	10	5.6	178
WASH	11	11.6	13	13.7	47	49.5					20	21.0			4	4.2							95
YALE	2	2.1	22	23.2	57	60.0					14	14.7											95
TOTAL	135	4.4	380	12.5	867	28.5	282	9.3	275	9.0	353	11.6	83.5	2.7	119.5	3.9	74	2.4	295	9.7	183	6.0	3047

TABLE 4-10
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES WITH PRIOR M.D. DEGREES BY AREA & DEGREE¹
1984-85

<u>AREA</u>	<u>U.S.</u>		<u>FOREIGN</u>		<u>TOTAL</u>	% OF GRADUATES WITH PRIOR M.D. DEGREES	
BIOSTAT	2.0	0.8%	.0		2.0	0.4%	1.5%
EPID	70.5	27.5	46.0	20.6%	116.5	24.3	31.1
HSA	45.0	17.6	30.0	13.5	75.0	15.7	8.8
PHP&PM	31.0	12.1	35.0	15.7	66.0	13.8	23.4
H.EDUC/BS	4.0	1.6	1.0	0.5	5.0	1.0	1.9
ENV.SC	16.5	6.5	13.0	5.8	29.5	6.2	8.6
OS&H	29.0	11.3	6.0	2.7	35.0	7.3	41.9
NUTR	1.0	0.4	2.0	0.9	3.0	0.6	2.5
BIOMED	2.0	0.8	6.0	2.7	8.0	1.7	10.8
OTHER	20.0	7.8	65.0	29.2	85.0	17.8	28.8
NONSPEC	35.0	13.7	19.0	8.5	54.0	11.3	29.5
Total	256.0	100.0%	223.0	100.0%	479.0	100.0%	

<u>DEGREE</u>	<u>U.S.</u>	<u>FOREIGN</u>	<u>TOTAL</u>
MPH	237.0	185.0	422.0
MS	12.0	11.0	23.0
MSPH	4.0	8.0	12.0
OTHER.MAST	2.0	8.0	10.0
DrPH	1.0	6.0	7.0
ScD	.0	3.0	3.0
PhD	.0	2.0	2.0
Total	256.0	223.0	479.0

¹ Based on data for 22 schools. Massachusetts excluded.

TABLE 4-11
U.S. SCHOOLS OF PUBLIC HEALTH
HIGHEST PREVIOUS DEGREE OF GRADUATES BY SEX & CITIZENSHIP¹
1984-85

<u>PRIORDEG</u>	<u>U.S.MALES</u>		<u>U.S.FEMALES</u>		<u>FOR.MALES</u>		<u>FOR.FEMALES</u>	
BACHELOR	498	54.2%	995	64.2%	56	19.2%	83	45.6%
NURSING	16	1.7	185	11.9	1	0.3	17	9.3
MASTERS	130	14.1	181	11.7	32	11.0	23	12.6
MD	174	18.9	82	5.3	179	61.3	44	24.2
DDS	20	2.2	2	0.1	7	2.4	4	2.2
DVM	12	1.3	1	0.1	2	0.7	0	-
PhD	15	1.6	13	0.8	1	0.3	2	1.1
OTHER.DOC	13	1.4	24	1.6	2	0.7	3	1.7
OTHER.DEG	41	4.5	66	4.3	12	4.1	6	3.3
UNKNOWN	25	-	43	-	5	-	6	-
Total	944	100.0%	1592	100.0%	297	100.0%	188	100.0%

<u>PRIORDEG</u>	<u>MALES</u>		<u>FEMALES</u>		<u>U.S.</u>		<u>FOREIGN</u>	
BACHELOR	563	46.1%	1087	62.4%	1493	60.5%	139	29.3%
NURSING	17	1.4	202	11.6	201	8.1	18	3.8
MASTERS	164	13.4	207	11.9	311	12.6	55	11.6
MD	353	28.9	126	7.2	256	10.4	223	47.1
DDS	27	2.2	6	0.3	22	0.9	11	2.3
DVM	14	1.2	1	0.1	13	0.5	2	0.4
PhD	16	1.3	15	0.9	28	1.1	3	0.6
OTHER.DOC	15	1.2	27	1.6	37	1.5	5	1.1
OTHER.DEG	53	4.3	72	4.1	107	4.4	18	3.8
UNKNOWN	31	-	51	-	68	-	11	-
Total	1253	100.0%	1794	100.0%	2536	100.0%	485	100.0%

¹ Excludes graduates of unknown sex and citizenship.

TABLE 4-12
U.S. SCHOOLS OF PUBLIC HEALTH
HIGHEST PREVIOUS DEGREE OF GRADUATES BY SCHOOL
1984-85

	BACHELOR	NURSING ¹		MASTERS	MD/DO	DDS	DVM	PhD	OTHER DOCTORATE	OTHER DEGREE	UNKNOWN	TOTAL
ALA	32 72.7%	1 2.3%	2 4.6%	6 13.6%	2 4.5%	1 2.3%						44
BOSTON	79 73.8	9 8.4	6 5.6	6 5.6		1 0.9			3 2.8%	3 2.8%		107
CAL-BERK	124 63.6		36 18.5	30 15.4			5 2.6%					195
CAL-UCLA	132 69.8	15 7.9	6 3.2	20 10.6	3 1.6				13 6.9			189
COLUMBIA	126 64.0	16 8.1	26 13.2	21 10.7	3 1.5		5 2.5				4	201
HARVARD	54 24.4	6 2.7	33 14.9	96 43.4	5 2.3	6 2.7	7 3.2		14 6.3			221
HAWAII	64 59.8	13 12.1	8 7.5	18 16.8	1 0.9	1 0.9	2 1.9					107
ILL	41 53.2	6 7.8	15 19.5	15 19.5								77
JHU	89 32.0	43 15.5	44 15.8	94 33.8	2 0.7	4 1.4	1 0.4	1 0.4			3	281
L.LINDA	78 63.4	24 19.5	11 8.9	5 4.1	3 2.4		1 0.8	1 0.8				123
MASS ²											32	32
MICH	143 71.9	12 6.0	13 6.5	26 13.1	4 2.0		1 0.5				40	239
MINN	113 66.9	24 14.2	11 6.5	14 8.3	3 1.8		2 1.2	1 0.6	1 0.6		1	170
N.CAR	110 39.9		35 12.7	8 2.9	2 0.7		3 1.1	4 1.5	114 41.3		2	278
OKLA	43 75.4	1 1.8	11 19.3	2 3.5								57
PITT	64 54.2	7 5.9	29 24.6	11 9.3	2 1.7		2 1.7	2 1.7	1 0.9			118
PR	29 55.8	3 5.8	3 5.8	15 28.8	2 3.8							52
S.CAR	35 87.5		4 10.0	1 2.5								40
S.DIEGO	14 29.2	10 20.8	3 6.3	15 31.3					1 2.1	5 10.4		48
TEXAS	35 35.0	11 11.0	34 34.0	16 16.0	1 1.0		1 1.0	2 2.0				100
TULANE	96 53.9	11 6.2	20 11.2	48 27.0		2 1.1			1 0.6			178
WASH	76 80.0		10 10.5	9 9.5								95
YALE	73 76.8	7 7.4	11 11.6	3 3.2			1 1.1					95
TOTAL	1650 55.7	219 7.4	371 12.5	479 16.2	33 1.1	15 0.5	31 1.0	42 1.4	125 4.2		82	3047

¹All nursing degrees included in this category -- bachelor's, master's, doctorates.

²No data available.

B. Graduate Trends

In 1960-61 there were 770 graduates of 12 U.S. and 2 Canadian schools of public health. By 1980-81 there were over 3,000 graduates annually from the U.S. schools of public health. Many of the graduate trends reflect student trends and will not be repeated.

The MPH remains the most common degree of graduates, ranging from 60-65% of the degrees awarded each year. The MS accounts for 8-11% of the total degrees, the MSPH for 5-7%, and MHA/MHSA degrees for 4-6%. Two additional schools have recently added MHA degrees.

The proportion of doctorates increased during the late 1960s to about 9% and has remained at that level, fluctuating slightly from 8-11%. The PhD supplanted the DrPH as the most commonly awarded doctoral degree in the late 1960s. In 1961-62 47% of the doctorates were DrPH degrees and 20% were PhD degrees. In 1984-85 about 26% of the doctorates were DrPH degrees and 52% were PhD degrees. Two doctoral degrees have been added in the past few years -- an EdD degree at South Carolina and a DEnv degree at UCLA. All but two schools of public health now offer doctoral degrees.

During the early 1960s the majority of U.S. graduates had health-related backgrounds. The professional categories for 1961-62 and 1969-70 U.S. graduates were as follows:

	<u>1961-62</u>		<u>1969-70</u>	
physicians	145	26%	204	15%
dentists	22	4%	56	4%
veterinarians	12	2%	19	1%
nurses	62	11%	186	14%
sanitarians	49	9%	59	4%
statisticians	24	4%	65	5%
bacteriologists	25	4%	54	4%
administrators	76	14%	236	17%
educators	49	9%	126	9%
engineers	29	5%	37	3%
others	66	12%	323	24%

Although current data does not provide as much information on professional categories of graduates, some comparison can be made with 1984-85 data on highest previous degree of U.S. graduates:

physicians	256	10%
dentists	22	1%
veterinarians	13	0.5%
nurses	201	8%

Over the years the graduates of schools of public health have become a more diverse group of individuals. While in some cases the actual number of medically-trained graduates has not decreased, the proportion these individuals represent in the total graduate population certainly has.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF GRADUATES

Graduates by Sex

<u>YEAR</u>	<u>MALES</u>		<u>FEMALES</u>		<u>UNKNOWN</u>	<u>TOTAL</u>
1960-61	556	72.2%	214	27.8%	0	770
1961-62	620	77.3	182	22.7	0	802
1962-63	627	73.7	224	26.3	0	851
1963-64	739	74.0	259	26.0	0	998
1964-65	813	71.2	329	28.8	0	1142
1965-66	831	68.8	377	31.2	0	1208
1966-67	795	68.0	374	32.0	65	1234
1967-68	893	64.9	483	35.1	14	1390
1968-69	1061	66.4	538	33.6	0	1599
1969-70	1148	65.9	593	34.1	0	1741
1974-75 ¹	1270	56.1	992	43.9	0	2262
1975-76	1554	53.6	1343	46.4	0	2897
1976-77	1453	52.4	1321	47.6	0	2774
1977-78	1410	50.1	1403	49.9	0	2813
1978-79	1431	49.1	1486	50.9	0	2917
1979-80	1576	47.4	1750	52.6	0	3326
1980-81 ²	1479	46.7	1689	53.3	0	3168
1981-82	1434	44.9	1762	55.1	0	3196
1982-83	1535	44.0	1957	56.0	0	3492
1983-84	1477	44.8	1820	55.2	2	3299
1984-85	1253	41.1	1794	58.9	0	3047

¹ Puerto Rico did not report in 1974-75 and 1977-78.

² Columbia did not report in 1980-81.

Data for 1960-61/1969-70 from Dr. James Troupin and includes two Canadian schools.

Data for 1974-75/1980-81 includes bachelor degrees.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF GRADUATES (Continued)

U.S. Graduates by Race

YEAR	ASIAN	BLACK	HISPANIC		AMERIND	WHITE	UNKNOWN	TOTAL
			PUERTO RICO	MAINLAND				
1974-75	73 4.0%	176 9.8%	N/A	38 2.1%	20 1.1%	1495 83.0%	187	1989
1975-76	92 3.7	188 7.5	121 4.8%	47 1.9	18 0.7	2037 81.4	32	2535
1976-77	122 4.9	176 7.1	38 1.5	43 1.7	19 0.8	2081 83.9	0	2479
1977-78	113 4.6	148 6.0	N/A	48 2.0	22 0.9	2126 86.5	2	2459
1978-79	142 5.4	164 6.3	64 2.4	46 1.8	28 1.1	2179 83.0	0	2623
1979-80	113 3.9	182 6.3	82 2.8	50 1.7	25 0.9	2452 84.4	19	2923
1980-81	149 5.7	163 6.2	46 1.8	73 2.8	24 0.9	2159 82.6	148	2762
1981-82	112 4.4	143 5.6	40 1.6	64 2.5	24 0.9	2181 85.1	156	2720
1982-83	150 5.1	166 5.6	45 1.5	51 1.7	27 0.9	2508 85.1	22	2969
1983-84	112 4.3	150 5.8	53 2.1	57 2.2	25 1.0	2191 84.6	64	2652
1984-85	125 5.0	140 5.6	39 1.6	49 2.0	18 0.7	2113 85.1	52	2536

Graduates by Citizenship

YEAR	U.S.		FOREIGN		UNKNOWN	TOTAL
1974-75	1989	87.9%	273	12.1%	0	2262
1975-76	2535	87.5	362	12.5	0	2897
1976-77	2479	89.4	295	10.6	0	2774
1977-78	2459	87.4	354	12.6	0	2813
1978-79	2623	89.9	294	10.1	0	2917
1979-80	2923	87.9	403	12.1	0	3326
1980-81	2762	87.2	406	12.8	0	3168
1981-82	2720	85.1	476	14.9	0	3196
1982-83	2969	85.0	523	15.0	0	3492
1983-84	2652	81.6	597	18.4	50	3299
1984-85	2536	84.0	485	16.0	26	3047

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF GRADUATES (Continued)

Graduates by Degree Awarded¹

YEAR	BACHELOR	MPH	MS	MSPH	MHA/ MHSA	OTHER MASTERS
1974-75	39 1.7%	1497 66.2%	N/A	148 6.5%	N/A	388 ² 17.2%
1975-76	133 4.6	1803 62.2	243 8.4%	188 6.5	147 5.1%	151 5.2
1976-77	85 3.0	1681 60.6	274 9.9	96 3.5	156 5.6	246 8.9
1977-78	71 2.5	1851 65.8	251 8.9	152 5.4	91 3.2	134 4.8
1978-79	69 2.4	1829 62.7	322 11.0	158 5.4	115 3.9	135 4.6
1979-80	65 2.0	2076 62.4	374 11.2	212 6.4	161 4.8	129 3.9
1980-81	126 4.0	1918 60.5	307 9.7	211 6.7	133 4.2	170 5.4
1981-82	N/A	2089 65.3	326 10.2	184 5.8	143 4.5	131 4.1
1982-83	N/A	2283 65.4	373 10.7	176 5.0	200 5.7	130 3.7
1983-84	N/A	2058 62.4	298 9.0	241 7.3	186 5.6	142 4.3
1984-85	N/A	2020 66.3	266 8.7	161 5.3	168 5.5	109 3.6

YEAR	DrPH	ScD	PhD	OTHER DOCTORATE	MD-MPH	TOTAL
1974-75	69 3.0%	32 1.4%	76 3.4%	13 0.6%	N/A	2262
1975-76	90 3.1	35 1.2	94 3.2	13 0.5	N/A	2897
1976-77	82 3.0	37 1.3	88 3.2	0 0	29 1.0%	2774
1977-78	69 2.5	55 2.0	102 3.6	11 0.4	26 0.9	2813
1978-79	84 2.9	43 1.5	125 4.3	13 0.5	24 0.8	2917
1979-80	76 2.3	55 1.7	141 4.2	17 0.5	20 0.6	3326
1980-81	80 2.5	53 1.7	140 4.4	9 0.3	21 0.6	3168
1981-82	113 3.5	40 1.3	138 4.3	15 0.5	17 0.5	3196
1982-83	89 2.6	46 1.3	154 4.4	17 0.5	24 0.7	3492
1983-84	77 2.3	47 1.4	214 6.5	15 0.5	21 ³ 0.6	3299
1984-85	80 2.6	54 1.8	156 5.1	13 0.4	20 0.7	3047

¹ Joint degrees (except MD-MPH) are included with the appropriate SPH degree.

² Includes MS, MHA/MHSA and Other Masters.

Graduates by Area of Specialization

YEAR	BIOSTAT		EPID		HSA		PHP&PM		H.EDUC/ BS		ENV.SC	
1974-75	128	6.2%	207	10.2%	637	31.3%	259	12.7%	100	4.9%	257	12.6%
1975-76	141	4.8	266	9.2	932	32.2	400	13.8	221	7.6	364	12.6
1976-77	148	5.3	291	10.5	812	29.3	312	11.3	181	6.5	373	13.4
1977-78	159	5.7	313	11.1	737	26.2	310	11.0	182	6.4	421	15.0
1978-79	135	4.6	354	12.1	760	26.1	298	10.2	176	6.1	444	15.2
1979-80	138	4.1	265	8.0	864	26.0	384	11.5	291	8.7	395	11.9
1980-81	141	4.5	281	8.9	736	23.2	263	8.3	264	8.3	375	11.8
1981-82	157	4.9	349.5	10.9	832.5	26.0	346.5	10.9	222	7.0	344.5	10.8
1982-83	148.5	4.3	392.5	11.2	962	27.6	362	10.4	233	6.7	420.5	12.0
1983-84	132.5	4.0	423	12.8	906	27.4	286	8.7	230	7.0	428.5	13.0
1984-85	135	4.4	380	12.5	867	28.5	282	9.3	275	9.0	353	11.6

YEAR	OS&H		NUTR		BIOMED		OTHER		NONSPEC		UNKNOWN	TOTAL
1974-75	26	1.3%	120	5.9%	32	1.6%	259	12.7%	13	0.6%	224	2262
1975-76	43	1.5	145	5.0	74	2.6	226	7.8	85	2.9	0	2897
1976-77	22	0.8	131	4.7	61	2.2	443	16.0	N/A		0	2774
1977-78	19	0.7	140	5.0	88	3.1	444	15.8	N/A		0	2813
1978-79	22	0.8	164	5.6	88	3.0	476	16.3	N/A		0	2917
1979-80	92	2.8	167	5.0	124	3.7	511	15.4	95	2.9	0	3326
1980-81	114	3.6	209	6.6	98	3.1	500	15.8	187	5.9	0	3168
1981-82	146.5	4.6	204.5	6.4	92	2.9	302	9.5	194	6.1	5	3196
1982-83	95.5	2.7	158.5	4.5	72	2.1	290.5	8.3	357	10.2	0	3492
1983-84	60	1.8	120.5	3.7	90	2.7	402.5	12.2	220	6.7	0	3299
1984-85	83.5	2.7	119.5	3.9	74	2.4	295	9.7	183	6.0	0	3047

1 Graduates with dual majors counted as .5 in each area beginning in 1981/82.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF GRADUATES (Continued)

Graduates by Highest Previous Degree

YEAR	BACHELOR		NURSING DEGREE ¹	MASTERS		MD/DO		DDS	
1981-82	1339	63.3%	N/A	289	13.7%	378	17.9%	34	1.6%
1982-83	1576	59.2	185 7.0%	330	12.4	430	16.2	54	2.0
1983-84	1713	57.8	214 7.2	402	13.6	480	16.2	51	1.7
1984-85	1650	55.7	219 7.4	371	12.5	479	16.2	33	1.1

YEAR	DVM		PhD		OTHER DOCT.	OTHER DEGREE	UNKNOWN	TOTAL
1981-82	6	0.3%	41	2.0%	24 1.1%	3 0.1%	1082	3196
1982-83	15	0.6	34	1.3	16 0.6	20 0.8	832	3492
1983-84	14	0.5	46	1.6	28 0.9	16 0.5	335	3299
1984-85	15	0.5	31	1.0	42 1.4	125 4.2	82	3047

¹ Nursing degree category includes nursing degree at all levels -- bachelor, master or doctoral.

U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY SCHOOL BY MASTERS/DOCTORAL DEGREES

	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85
ALA	*	*	*	1/0	13/0	12/0	20/0	30/0	55/2	43/1	44/0
BOSTON	*	*	*	*	*	*	*	75/0	87/0	92/0	107/0
CAL-BERK	201/19	245/15	233/26	255/19	203/14	214/11	229/20	184/18	204/18	204/30	175/20
CAL-UCLA	151/12	190/26	171/13	171/14	212/26	186/14	201/16	185/24	182/16	190/36	172/17
COLUMBIA	62/5	88/6	89/9	102/8	105/6	153/12	**	137/11	149/7	185/9	190/11
HARVARD	147/11	186/16	177/14	196/28	217/32	232/34	216/39	200/26	209/21	180/22	201/20
HAWAII	57/0	97/0	131/0	143/0	152/1	160/0	158/1	149/3	176/4	116/4	104/3
ILL	62/0	89/0	79/0	79/1	67/0	59/1	82/5	78/4	86/11	66/9	70/7
JHU	175/34	159/44	191/36	177/48	213/40	180/68	240/48	220/43	211/49	247/68	208/73
L.LINDA	90/13	93/13	107/10	130/11	101/13	180/18	148/9	134/15	162/14	242/6	116/7
MASS	27/0	53/0	24/0	27/0	35/0	47/0	41/0	42/0	57/0	29/0	31/1
MICH	335/6	386/16	303/19	241/16	254/34	300/25	266/21	285/18	356/20	209/27	224/15
MINN	101/5	144/6	154/3	193/4	166/10	215/9	161/11	205/4	249/7	191/8	166/4
N.CAR	199/29	205/28	205/22	221/35	228/30	236/35	224/33	229/46	230/45	254/50	237/41
OKLA	43/21	53/9	55/12	38/11	40/12	34/12	47/14	35/14	39/14	37/10	49/8
PITT	89/6	143/9	127/12	112/11	116/7	155/15	135/18	111/24	122/19	108/14	98/20
PR	**	88/0	54/0	**	64/0	89/0	58/0	47/0	48/0	57/0	52/0
S.CAR	*	*	30/0	38/0	24/0	52/0	45/0	70/0	41/3	52/1	37/3
S.DIEGO	*	*	*	*	*	*	*	10/0	39/0	30/0	48/0
TEXAS	78/22	86/29	85/19	90/16	93/17	126/14	143/23	149/38	131/25	82/27	74/26
TULANE	94/4	119/8	120/4	150/3	140/6	161/7	178/4	136/7	172/13	164/5	166/12
WASH	31/0	39/3	61/0	56/5	56/8	71/9	67/14	85/6	85/10	69/12	85/10
YALE	91/3	69/4	86/8	85/7	84/9	110/5	101/6	94/5	96/8	98/15	90/5
TOTAL	2033/190	2532/232	2482/207	2505/237	2583/265	2972/289	2760/282	2890/306	3186/306	2945/354	2744/303
	2223	2764	2689	2742	2848	3261	3042	3196	3492	3299	3047

* Indicates school not yet in operation.

** Indicates missing data.

V. EXPENDITURES, 1984-85

Expenditures are the total monies spent by the school of public health during the fiscal year. Expenditures do not represent the amount budgeted for the schools nor total monies available under grants and contracts.

Expenditures for 23 schools totaled \$286.6 million for FY 1984-85. If allowances are made for the school that did not report expenditures in FY 1983-84, this figure represents about a 12% increase over FY 1983-84. Of total funds expended, over half (52%) were from institutional sources, 37% were from federal sources and 11% were from other sources. In FY 1974-75, institutional sources accounted for only 36% of expenditures, federal sources 55% and other sources 9%. Over the past eleven years expenditures have more than doubled, and there has been a shift toward more reliance on institutional and less reliance on federal monies.

TABLE 5-1
U.S. SCHOOLS OF PUBLIC HEALTH
EXPENDITURES 1984-85

UNIVERSITY FUNDS

<u>SCHOOL</u>	<u>SALARY</u>	<u>FRINGE</u>	<u>TOTAL SALARY AND FRINGE</u>	<u>STUDENT AID</u>	<u>NON-PERSONNEL EXPENSES</u>	<u>INDIRECT EXPENSES</u>	<u>TOTAL UNIVERSITY</u>
25	7772363	1213848	8986211	0	2103952	5790104	16880267
26	7149717	1652212	8801929	3165134	3689736	2947239	18604038
27	5502670	1177572	6680242	441265	313414	5167243	12602164
28	4491387	903817	5395204	0	444007	2073368	7912579
29	1708907	433992	2142899	162661	319769	2063299	4688628
30	2137100	289600	2426700	0	272700	776500	3475900
31	4345483	745234	5090717	0	572614	1715572	7378903
32	6985000	1431000	8416000	898000	9526000	0 ¹	18840000
33	2820416	605244	3425660	0	778524	972887	5177071
34	1025944	379599	1405543	0	169603	328967	1904113
35	1704391	297766	2002157	13454	418324	772396	3206331
36	957739	172289	1130028	0	297527	391080	1818635
37	1149467	268625	1418092	26331	568436	913714	2926573
38	761527	189075	950602	27498	50219	595458	1623777
39	2935104	792158	3727262	27850	553965	3278830	7587907
40	1416704	368343	1785047	0	165925	803271	2754243
41	4553122	1086237	5639359	0	887332	2699856	9226547
42	3505835	701167	4207002	10000	1419871	1262100	6898973
43	1506389	315787	1822176	97986	452244	2775799	5148205
44	1306021	217906	1523927	94283	204924	105739	1928873
45	1650512	382444	2032956	28156	1031384	489324	3581820
46	1127370	151067	1278437	12332	453647	1609361	3353777
47	706657	194749	901406	0	65170	0	966576
Total	67219825	13969731	81189556	5004950	24759287	37532107	148485900

¹ Indirect included in previous columns.

TABLE 5-2
U.S. SCHOOLS OF PUBLIC HEALTH
EXPENDITURES 1984-85

GRANTS & CONTRACTS/TOTAL EXPENDITURES

SCHOOL	U.S. GOVERNMENT				OTHER SOURCES				TOTAL	TOTAL
	RESEARCH	TRAINING	STUDENT	SUB-TOTAL	RESEARCH	TRAINING	STUDENT	SUB-TOTAL	GRANTS	EXPENDITURES
	GRANTS	GRANTS	AID		GRANTS	GRANTS	AID			
25	5927927	1475232	1041393	8444552	1258455	472321	34721	1765497	10210049	27090316
26	19784334	1507504	3832567	25124405	4910887	975506	575301	6461694	31586099	50190137
27	3464548	564831	573321	4602700	2646993	663809	251335	3562137	8164837	20767001
28	2922213	355731	380762	3658706	659246	196125	74364	929735	4588441	12501020
29	1647063	723090	785768	3155921	329776	291432	1185	622393	3778314	8466942
30	699700	124200	91200	915100	253100	58100	22900	334100	1249200	4725100
31	3009896	1073704	0	4083600	542103	188055	0	730158	4813758	12192661
32	13125000 ¹	0	1629000	14754000	4747000 ¹	0	155000	4902000	19656000	38496000
33	8756000	1127181	302560	10185741	852979	0	9000	861979	11047720	16224791
34	516239	597727	157484	1271450	39806	0	0	39806	1311256	3215369
35	1983298 ²	383048	0	2366346	419964 ²	188438	0	608402	2974748	6181079
36	197632	139112	50170	386914	21196	7146	1800	30142	417056	2235691
37	757515	0	58620	816335	85242	0	1793	87035	903370	3829943
38	213604	86691	54600	354895	561917	20000	0	581917	936812	2560589
39	4051241	638462	62773	4752476	1726927	455783	0	2182710	6935186	14523093
40	2008799	230052	144000	2382851	1298	65560	0	66858	2449709	5203952
41	2266778	249229	197115	2713122	651211	310484	37895	999590	3712712	12939259
42	3407410	1447900	178000	5033310	2253701	333089	10000	2596790	7630100	14529073
43	3713817	196445	610078	4520340	724369	0	9973	734342	5254682	10402887
44	1248677	0	53912	1302589	0	0	0	34955 ³	1337544	3266417
45	997376	504062	106201	1607639	218087	597716	51889	867692	2475331	6057151
46	1607889	1426705	101281	3135875	2381152	62069	0	2443221	5579096	8932873
47	0	328410	0	328410	810291	0	0	810291	1138701	2105277
TOTAL	82306956	13179316	10411005	105897277	26095700	4885633	1237156	32253444	138150721	286636621

¹ Research and training grants combined.

² Includes multi-purpose funds.

³ Foundation monies, undesignated use.

U.S. SCHOOLS OF PUBLIC HEALTH
EXPENDITURES

<u>FY</u>	<u>INSTITUTIONAL SOURCES</u>		<u>FEDERAL SOURCES</u>		<u>OTHER SOURCES</u>		<u>TOTAL EXPENDITURES</u>
1974-75	\$ 43,613,028	35.7%	\$ 67,180,975	54.9%	\$11,521,854	9.4%	\$122,315,857
1976-77	54,456,054	38.0	73,281,169	51.1	15,554,536	10.9	143,291,759
1977-78	63,821,421	39.8	79,581,854	49.6	16,969,924	10.6	160,373,199
1979-80	82,227,292	40.6	95,920,799	47.4	24,330,800	12.0	202,478,891
1980-81	91,696,770	41.6	105,123,883	47.7	23,580,608	10.7	220,401,261
1981-82	109,925,409	45.9	101,734,232	42.4	28,121,885	11.7	239,781,526
1982-83 ¹	112,532,050	48.9	90,662,549	39.4	27,080,347	11.7	230,274,946
1983-84 ¹	112,476,638	48.9	84,707,805	36.8	32,730,286	14.3	229,914,729
1984-85	148,485,900	51.8	105,897,277	36.9	32,253,444	11.3	286,636,621

¹ One school did not report. In 1982-83 a small school was not included, and total expenditures were not greatly affected. However, in 1983-84 one of the largest schools was not included, and total expenditures are significantly underreported.